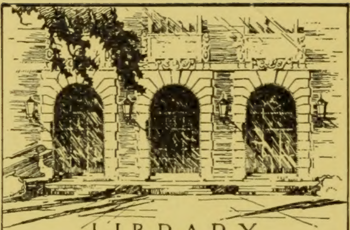

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UNIVERSITY OF ILLINOIS CIRCULAR
Published four times a year in the months of March, June, July and August,
at Chicago, Illinois

VOL. IX AUGUST, 1923 No. 4

(Entered as second-class matter October 16, 1914, at the post office at Chicago, Illinois, under Act of Congress of August 24, 1912.)
Acceptance for mailing at special rate of postage provided for in Section 1103, Act of October 3, 1917, authorized July 27, 1918.

UNIVERSITY OF ILLINOIS

College of Medicine

1923-1924

CHARTERED 1867

PUBLISHED BY THE UNIVERSITY OF ILLINOIS
508 SOUTH HONORE STREET
CHICAGO

THE UNIVERSITY OF ILLINOIS

THE STATE UNIVERSITY

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DAVID KINLEY, PH.D., LL.D., President

The University includes the following departments:

The Graduate School

The College of Liberal Arts and Sciences (Ancient and Modern Languages and Literature, History, Economics, Political Science, Sociology, Journalism, Philosophy, Psychology, Education, Mathematics, Astronomy, Geology, Physics, Chemistry, Bacteriology, Botany, Zoology, Entomology, Physiology, Home Economics, Art and Design)

The College of Commerce and Business Administration (General Business, Banking, Insurance, Accountancy, Railway Administration, Railway Transportation, Foreign Commerce, Industrial Administration, Commercial Teachers, Commercial and Civic Secretaries, Public Utilities)

The College of Education

The College of Engineering (Architecture, Architectural, Ceramic, Civil, Electrical, Gas, General, Mechanical, Mining and Metallurgical, Municipal and Sanitary, and Railway Engineering, General Engineering Physics)

The College of Agriculture (General Agriculture, Agronomy, Animal Husbandry, Dairy Husbandry, Farm Mechanics, Farm Organization and Management, Horticulture, Floriculture, Landscape Gardening, Home Economics)

The College of Law (Three-year and four-year curriculums based on two years of college work)

The Curriculum in Journalism

The Curriculums in Chemistry and Chemical Engineering

The School of Railway Engineering and Administration

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The School of Library Science (Two years' curriculum for college graduates)

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The College of Dentistry (in Chicago)

The School of Pharmacy (in Chicago; Ph.G. and Ph.C. curriculums)

The Summer Session (eight weeks)

Experiment Stations and Scientific Bureaus: U. S. Agricultural Experiment Station; Engineering Experiment Station; State Laboratory of Natural History; State Entomologist's Office; Biological Experiment Station on Illinois River; State Water Survey; State Geological Survey; U. S. Bureau of Mines Experiment Station.

The library collections contain (January 1, 1923) 541,127 volumes and 121,714 pamphlets.

For catalogs and information address

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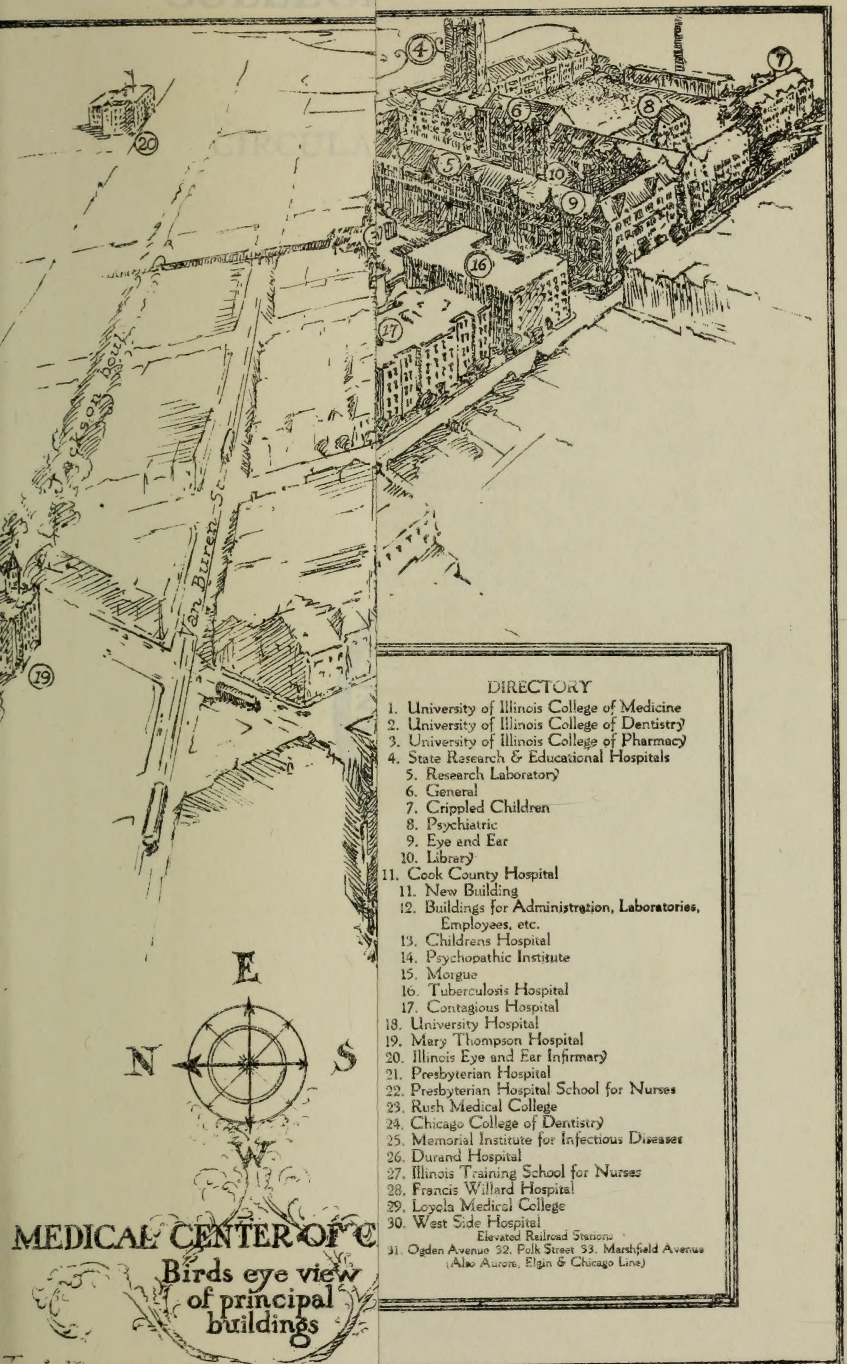
Urbana, Illinois



DIRECTORY

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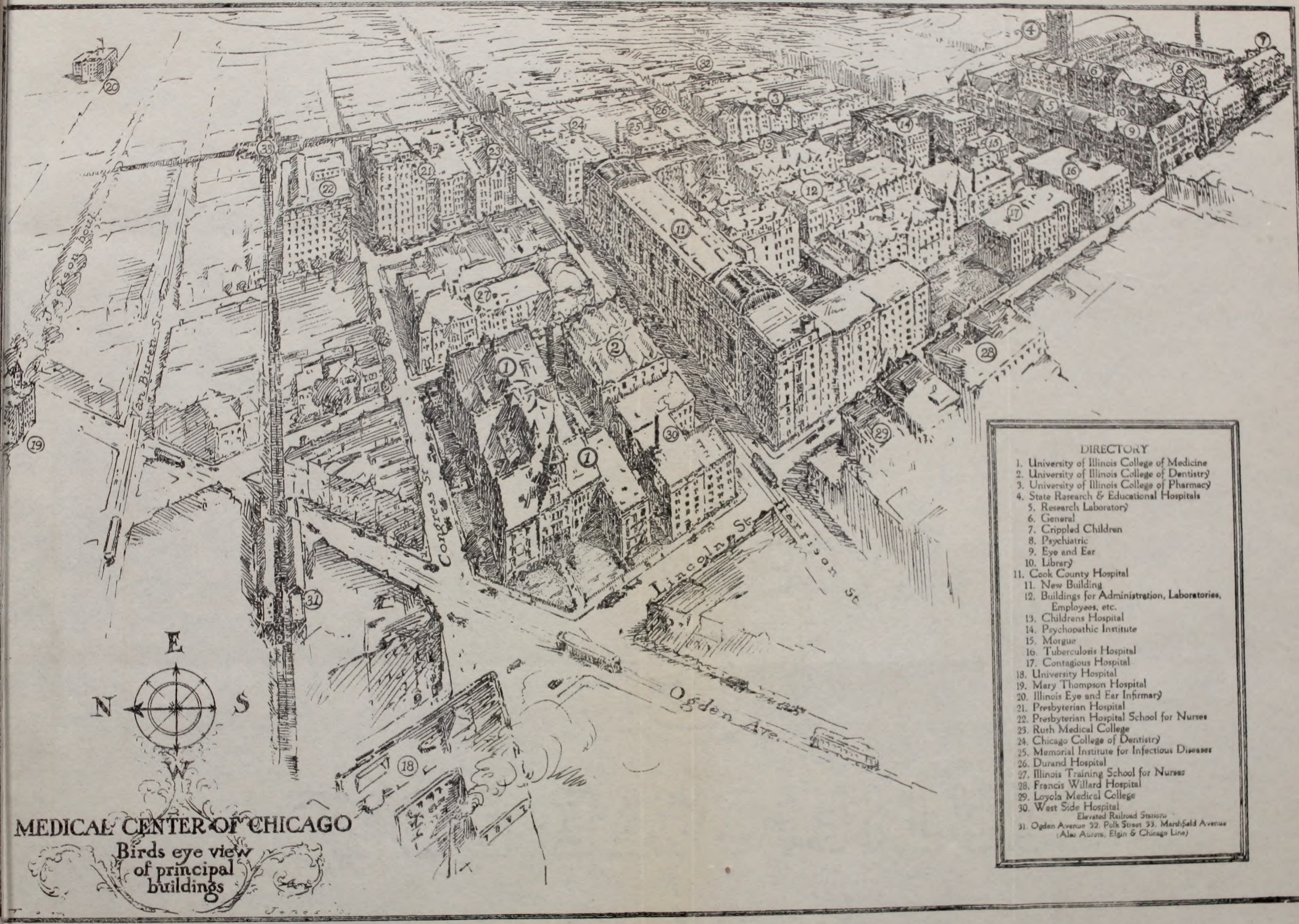
2. University of Illinois College of Dentistry
3. University of Illinois College of Pharmacy
4. State Research & Educational Hospitals
    5. Research Laboratory
    6. General
    7. Crippled Children
    8. Psychiatric
    9. Eye and Ear
    10. Library
11. Cook County Hospital
    11. New Building
    12. Buildings for Administration, Laboratories, Employees, etc.
    13. Childrens Hospital
    14. Psychopathic Institute
    15. Morgue
    16. Tuberculosis Hospital
    17. Contagious Hospital
18. University Hospital
19. Mary Thompson Hospital
20. Illinois Eye and Ear Infirmary
21. Presbyterian Hospital
22. Presbyterian Hospital School for Nurses
23. Rush Medical College
24. Chicago College of Dentistry
25. Memorial Institute for Infectious Diseases
26. Durand Hospital
27. Illinois Training School for Nurses
28. Francis Willard Hospital
29. Loyola Medical College
30. West Side Hospital

Elevated Railroad Stations

31. Ogden Avenue 32. Polk Street 33. Marshfield Avenue
(Also Aurora, Elgin & Chicago Line)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MEDICAL CENTER OF CHICAGO

Birds eye view
of principal
buildings

DIRECTORY

1. University of Illinois College of Medicine
2. University of Illinois College of Dentistry
3. University of Illinois College of Pharmacy
4. State Research & Educational Hospitals
   5. Research Laboratory
   6. General
   7. Crippled Children
   8. Psychiatric
   9. Eye and Ear
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30. West Side Hospital

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COLLEGE OF MEDICINE

CIRCULAR OF INFORMATION

1923-1924

UNIVERSITY OF ILLINOIS.
LEARNING & LABOR.
AGRICULTURE SCIENCE & ART
CHARTERED 1867.

CHICAGO
PUBLISHED BY THE UNIVERSITY
1923

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Lloyd Morey, Urbana	*Comptroller*

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CALENDAR

1923

JANUARY.

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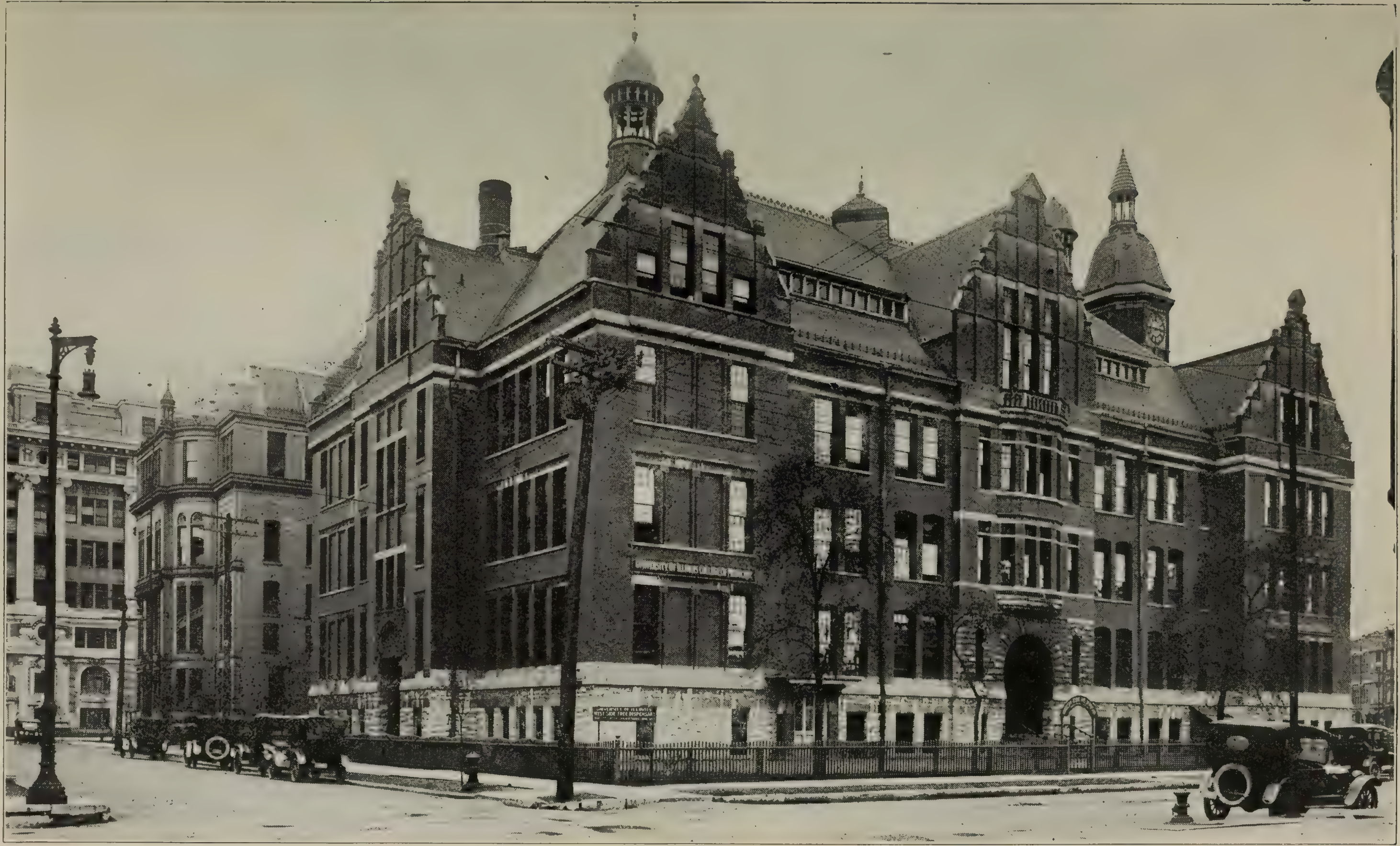

COLLEGE OF MEDICINE OF THE UNIVERSITY OF ILLINOIS

Cook County Hospital in the Background

COLLEGE CALENDAR

1923-1924

FIRST SEMESTER

SEPTEMBER 10-14—Monday-Friday
Entrance examinations

SEPTEMBER 24-29—Monday-Saturday
(Special) examinations

OCTOBER 1—Monday, 8 a. m.-5 p. m.
Registration and payment of fees

OCTOBER 2—Tuesday, 8 a. m.
Semester instruction begun

NOVEMBER 28—Wednesday, 12 m.
Thanksgiving recess begun

DECEMBER 3—Monday, 8 a. m.
Instruction resumed

DECEMBER 22—Saturday, 12 m.
Holiday recess begun

JANUARY 3, 1924—Thursday, 8 a. m.
Instruction resumed

JANUARY 28-FEBRUARY 1—Monday-Friday

Semester examinations

SECOND SEMESTER

FEBRUARY 6—Wednesday, 8 a. m.-5 p. m.
Registration and payment of fees

FEBRUARY 7—Thursday, 8 a. m.
Semester instruction begun

FEBRUARY 12—Tuesday
Lincoln Day

FEBRUARY 22—Friday
Washington Day

APRIL 17—Thursday, 6 p. m.
Easter recess begun

APRIL 21—Monday, 8 a. m.
Instruction resumed

MAY 26-JUNE 6—Monday-Friday
Final examinations

MAY 30—Friday
Memorial Day

JUNE 6—Friday
Class Day and Alumni Meetings

JUNE 7—Saturday, 10 a. m.
Annual Commencement Chicago
Professional Schools

ADMINISTRATIVE OFFICERS

1923-1924

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George Philip Tuttle, B.S., *Registrar*

William Henry Browne, *Secretary, College of Medicine, and Business Manager of the Chicago Departments*

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Eycleshymer (Chairman), Ochsner, Ward

Discipline Committee of the Chicago Professional Schools

Welker (Chairman), Browne, Thomas, Day

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Welker (Chairman), Browne, Heintz

Committee on Curriculum

Eycleshymer (Chairman), Bacon, Barrett, Davis, Davison, Dreyer, McGuigan, Welker, Williamson

Committee on Dispensary

Brown (Chairman), Browne, Harger, Lang, Hess, Davis

Committee on Hospital Affiliation

Bacon (Chairman), Ochsner, Singer, Brown, Davis, Davison, McGuigan

Committee on Library

Davis (Chairman), Loomis, Moodie, Sippy, Tice

Committee on Optional Courses

Dreyer (Chairman), Bacon, Davison, Davis, McGuigan

Committee on Physicians' Courses

Pierce (Chairman), Barrett, Brown, Davis, Goodkind, Hess

Committee on Fifth Year

Brown (Chairman), Tice, Davis

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(Congress and Honore Streets, Chicago)

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1922-1923

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Henry Turman Byford, A.M., M.D.........*Professor of Gynecology,* Emeritus
William Allen Pusey, A.M., M.D.,......*Professor of Dermatology,* Emeritus
Daniel Atkinson King Steele, M.D., LL.D.....*Professor of Surgery,* Emeritus
Casey A. Wood, A.M., M.D.............*Professor of Ophthalmology,* Emeritus
Frank Breckenridge Earle, M.D............*Professor of Pediatrics,* Emeritus

Maurice Louis Goodkind..................................*Professor of Medicine*

B.A., Williams, 1886; M.D., Columbia, 1889.
Instructor in Neurology, Columbia, 1888-89; Instructor in Neurology, Northwestern, 1893-96; Attending Physician, County Hospital, 1904—; Michael Reese Hospital, 1893—.

George Peter Dreyer..*Professor of Physiology and Physiological Chemistry and Head of Department*

B.A., Johns Hopkins, 1887, Ph.D., 1890.
Fellowship in Physiology, Johns Hopkins, 1889-90; Demonstrator, Associate, Associate Professor of Physiology, 1890-1900; Professor Physiology, Illinois, 1900-1907; Junior Dean, 1913-1915.

Albert John Ochsner.....................................*Professor of Surgery*

B.S., Wisconsin, 1884; M.D., Rush, 1886; LL.D., Wisconsin, 1909.
Surgeon-in-Chief, Augustana Hospital, 1891—, St. Mary's Hospital, 1898—.

Charles Spencer Williamson..*Professor of Medicine and Head of Department*

B.S., Cincinnati, 1893, M.D., 1896, M. S., 1901.
Associate Attending Physician, Cook County Hospital, 1902-1903; Member of Cook County Consulting Staff, 1904-1913; Cook County Hospital Attending Staff, 1913—; Adjunct Professor of Medicine, Illinois, 1901; Associate Professor of Medicine, Illinois, 1902; Professor of Clinical Medicine, Illinois, 1903-1904; Professor of Clinical Medicine and Associate Professor of Medicine, Illinois, 1905-1911; Professor of Medicine and Clinical Medicine, Illinois, 1912-1913.

Charles Sumner Bacon..*Professor of Obstetrics and Head of Department of Obstetrics and Gynecology*

Ph.D., Beloit, 1878; M. D., Northwestern, 1884.
Attending Obstetrician, Chicago Policlinic, 1895—, Deaconess Hospital, 1900—, Henrotin Hospital, 1905—, Grant Hospital, 1906—, University Hospital, 1907—; Director, Chicago Lying-In Hospital, 1908—.

Charles Davison..............*Professor of Surgery and Head of Department*

M.D., Northwestern, 1883, A.M., 1917.
Professor of Surgical Anatomy, Illinois, 1899-1900; Adjunct Professor of Clinical Surgery, 1900-03; Adjunct Professor of Surgery and Clinical Surgery, 1903-04; Professor of Surgery and Clinical Surgery, 1904-17; Assistant Surgeon, Illinois Charitable Eye and Ear Infirmary, 1887-92; Attending Surgeon, Cook County Hospital, 1894—, President of Attending Staff, 1917-19; Attending Surgeon, West Side Hospital, 1896-1907, University Hospital, 1908—.

Frederick Tice...*Professor of Medicine*

M.D., Rush, 1894.
Assistant Professor of Diseases of the Chest, Illinois, 1903; Professor of Diseases of the Chest, 1905-1917; Head of Department of Medicine, Illinois, 1917-19; Chief Physician, County Institutions, 1897-1899; Member of Attending and Consulting Staff, Cook County Hospital, 1903—.

Joseph McIntyre Patton............................*Professor of Medicine*

M.D., New York, 1882.

Chief Assistant in Medicine, College of Physicians and Surgeons, 1883-90; Professor of Physical Diagnosis, Illinois, 1899-1901; Associate Professor of Medicine, 1901-07; Professor of Clinical Medicine, 1907-1919; Professor of Anesthesia and Anesthetics, Illinois (Dental), 1902-07; Attending Physician, Henrotin and Policlinic Hospitals, 1890—, Cook County Hospital, 1907-1920; Consulting Physician, Chicago General Hospital, 1922—.

Channing Whitney Barrett..*Professor of Gynecology and Head of Division*

M.D., Detroit, 1895.

Instructor in Medicine, Illinois, 1897-1898; Instructor in Gynecology, Illinois, 1898-1900; Assistant Professor of Clinical Gynecology, Illinois, 1900-1901; Attending Surgeon and Gyneologist, Marion Sims Hospital, 1900-1908; Attending Gynecologist, Henrotin Memorial and Policlinic Hospital, 1908—; Adjunct Professor of Clinical Gynecology, Illinois, 1901-1909; Associate Professor of Gynecology and Clinical Gynecology, Illinois, 1909-1910; Professor of Gynecology and Clinical Gynecology, Illinois, 1910-1915; Attending Surgeon (Obstetrics), Cook County Hospital, 1906-1912; Attending Surgeon (Gynecologist), Cook County Hospital, 1912—, West Side Hospital, 1914—, Columbus Hospital, 1920—.

Norval Pierce..*Professor of Laryngology, Rhinology and Otology and Head of Department*

M.D., College of Physicians and Surgeons, Chicago, 1885.

Surgeon, Illinois Charitable Eye and Ear Infirmary, Department of Ear, Nose and Throat; Consultant in Oto-Laryngology, Passavant Memorial Hospital; Senior Attending Otologist, Rhinologist and Laryngologist, St. Luke's Hospital; President Medical Board, St. Luke's Hospital, Chicago, 1922-23.

Albert Edward Halstead..............................*Professor of Surgery*

M.D., Northwestern, 1890.

Professor, Principles and Practice of Surgery, Illinois; Consulting Surgeon, Illinois Charitable Eye and Ear Infirmary; Senior Surgeon, St. Luke's Hospital; Associate Professor of Surgery, Northwestern University, 1897-1900; Professor and Head of Department of Anatomy, Northwestern University, 1897-1900; Professor of Clinical Surgery, Northwestern University, 1900-1906.

Albert Chauncey Eycleshymer..*Dean of the College; Professor and Head of Department of Anatomy, Histology, and Embryology*

B.S., Michigan, 1891; Ph.D., Chicago, 1895; M.D., St. Louis, 1910.

Assistant in Animal Morphology and Botany, Michigan, 1889; Assistant in Botany, 1890; Chief Assistant to the Director of the Allis Lake Laboratory, 1890-91; University Fellow in Biology, Princeton, 1891; Fellow in Animal Morphology, Clark University, 1891-92; Fellow in Biology, Chicago, 1892-93, Assistant, 1893-95, Associate in Anatomy, 1895-97, Instructor, 1897-1902; Graduate student in University of Cambridge (England), 1895-96; studying Anatomy and Histology in Germany and France, 1896-97; Lecturer on Human Embryology, Rush, 1897-98, Assistant Professor, 1898-99; Austin Fellow in Histology and Embryology, Harvard, 1900-01; Assistant Professor Anatomy, Chicago, 1899-1903; Director of Department of Anatomy, St. Louis, 1903-13; Acting Dean, St. Louis (Medical School), 1913; Junior Dean, Illinois, 1915-1916; Member National Board of Medical Examiners.

William McIntire Harsha...........................*Professor of Surgery*

B.S., National Normal University, Lebannon, O., 1876, B.A., 1877; M.D., Northwestern, 1883.

Lecturer in Medicine, Illinois, 1893; Attending Surgeon, St. Luke's Hospital, 1908—.

David John Davis..*Professor of Pathology and Bacteriology and Head of Department*

B.S., Wisconsin, 1898; M.D., Rush, 1903; Ph.D., Chicago, 1905.

Pathologist, Presbyterian Hospital, 1906-10, St. Joseph's Hospital, 1907-11; Special Student, University of Freiburg, 1910; Assistant Professor in Pathology, Rush, 1907-12; Pathologist, St. Luke's Hospital, 1911-13.

Julius Hayes Hess..............*Professor of Pediatrics and Head of Division*

M.D., Northwestern, 1899.

Instructor in Pediatrics, Northwestern, 1908-13; Associate Professor of Clinical Pediatrics, Illinois, 1914-16; Attending Pediatrician, Michael Reese Hospital, 1906—, Cook County Hospital, 1913—, Englewood Hospital, 1902—; Consulting Pediatrician, Municipal Contagious Disease Hospital, 1917—, Winfield T. B. Sanitarium, 1914—; Member of Advisory Board Children's Bureau, Department of Labor, Washington.

Hugh Alister McGuigan..*Professor of Pharmacology, Materia Medica, and Therapeutics, and Head of Department*

B.S., North Dakota Agri. College, 1898; Ph.D., Chicago, 1906; M. D., Rush, 1908.

Assistant Professor of Chemistry, North Dakota Agri. College and Expt. Sta., 1901-03; Fellow and Assistant in Physiological Chemistry, Chicago, 1903-06; Assistant Professor of Pharmacology, Washington University, 1906-10; Professor of Pharmacology, Northwestern, 1910-17.

Edward Vail Lapham Brown..*Professor of Ophthalmology and Head of Deparment*

M.D., Rush, 1898; B.S., Chicago, 1902.

Assistant Pathologist and Pathologist, Illinois Charitable Eye and Ear Infirmary, 1899-1907; Eye Surgeon, Illinois Charitable Eye and Ear Infirmary, 1907-14, Cook County Hospital, 1914-18; Attending Ophthalmologist, Presbyterian Hospital, 1899-1917, University Hospital, 1917—; Instructor and Assistant Professor of Opthalmology, Rush, 1898-1917; Instructor and Assistant Professor of Pathology of the Eye, Chicago, 1907-1917; Attending Ophthalmologist, Evanston Hospital, 1923—.

Harold Douglas Singer........*Professor of Psychiatry and Head of Division*

M.B., London, 1898, M.D., 1900.

Associate Professor of Neurology, John A. Creighton University, 1904-06; Associate Professor of Psychiatry, Nebraska, 1907; Associate Professor of Psychiatry, Illinois, 1916-18; House Physician, St. Thomas' Hospital, London, 1898-99; Assistant Superintendent Clinical Laboratory, St. Thomas' Hospital, 1899-1900; House Physician, National Hospital for the Paralyzed and Epileptic, London, 1900-02; Resident Assistant Physician, St. Thomas' Hospital, 1902-04; Neurologist, St. Joseph's Hospital, Omaha, 1904-06; Assistant Superintendent, Norfolk State Hospital, Nebraska, 1906-07; Director, Illinois State Psychopathic Institute, 1907—; State Alienist, Dept. of Public Welfare, State of Illinois, 1917-21.

Charles Edward Humiston..............................*Professor of Surgery*

M.D., College of Physicians and Surgeons, Chicago, 1896; Sc.D., Marietta College, 1922.

Surgeon, Cook County Hospital, 1902-20, West Suburban Hospital, 1914; Instructor in Surgery, Illinois, 1905-06, Assistant Professor of Surgery, 1906, Adjunct Professor of Surgery, 1907-12, Professor of Clinical Surgery and Associate Professor of Surgery, 1912-13, Associate Professor of Surgery and Clinical Surgery, 1913-14, Associate Professor of Clinical Surgery, 1914-18.

Henry Foster Lewis..................................*Professor of Obstetrics*

A.B., Harvard, 1885, M.D., 1888.

Professor of Physical Diagnosis, Physicians and Surgeons, Chicago, 1891-93; Assistant Professor of Obstetrics and Gynecology, Rush, 1899-07; Professor and Head of the Department of Obstetrics and Gynecology, Loyola, 1910-18; Attending Obstetrician, Cook County Hospital, 1906-08, Attending Surgeon, 1908-13, Attending Obstetrician, 1913—.

Herman Morris Adler..*Professor of Criminology and Head of Department of Social Hygiene, Criminology and Medical Jurisprudence*

A.B., Harvard, 1897; A.M., Columbia, 1901, M. D., 1901.

Assistant Children's Clinic, Charite, Berlin, 1904-05; Assistant in Clinical Pathology, Harvard, 1906-09, Instructor in Neuropathology and Psychiatry, 1909-12; Pathologist and Assistant Physician, Danvers State Hospital, Massachusetts, 1909-12; Chief of Staff, Psychopathic Hospital, Boston, 1912-16; Assistant Professor of Psychiatry, Harvard, 1912-16; Criminologist, State of Illinois, and Director of Institute for Juvenile Research, 1917—.

Harry W. Woodruff...............................*Professor of Ophthalmology*

Ph.G., Chicago College of Pharmacy, 1889; M. D., College of Physicians and Surgeons (Chicago), 1892.

Surgeon, Illinois Charitable Eye and Ear Infirmary, 1900—; Professor of Opthalmology, Chicago Eye, Ear, Nose and Throat College, 1895—.

Francis Lane...................................*Professor of Ophthalmology*

A.B., Princeton, 1897; M.D., Washington, 1899.

Nelson Mortimer Percy...............................*Professor of Surgery*

M.D., Rush, 1899.

Attending Surgeon, St. Mary's Hospital, 1905—, Augustana Hospital, 1908—; Instructor in Surgery, Illinois, 1909-12; Associate Professor of Surgery, Illinois, 1912-21.

Arthur Richard Elliott..............................*Professor of Medicine*

M.D., Queen's Univ., Canada, 1889, C.M., 1889.

Assistant Professor of Medicine, Illinois, 1917-18; Attending Physician, St. Luke's Hospital, 1910—; Associate Professor of Medicine, Illinois, 1918-21.

William Henry Welker...............*Professor of Physiological Chemistry*

A.C., Lehigh, 1904; Ph.D., Columbia, 1908.

Assistant in Biological Chemistry, Columbia, 1904-07; Pathological Assistant in Obstetrics (Research Chemist), Sloane Maternity Hospital, N. Y., 1906-07; Demonstrator of Physiological Chemistry, Pennsylvania, 1907-10; Chemist to the German Hospital, New York, 1910; Associate in Biological Chemistry, Columbia (Crocker Cancer Fund), 1910-11, Assistant Professor of Biological Chemistry, 1911-12; Assistant Professor of Physiological Chemistry, Illinois, 1913-19, Associate Professor of Physiological Chemistry, 1919-21.

Victor Emanuel Emmel.................................*Professor of Anatomy*

B.S., Pacific University, 1903, M.S., 1904; Ph.D., Brown University, 1907.

Instructor in Biology, Pacific University, 1903-04; Assistant in Embryology and Neurology, Brown, 1904-07; Biologist, Experimental Station, Rhode Island Commission of Inland Fisheries, 1904-07; Austin Teaching Fellow in Anatomy (Histology and Embryology), Washington, 1908-10, Associate in Anatomy (Microscopic and Gross), 1910-14, (Gross and Topographical), 1914-16; Assistant and Associate Professor of Anatomy (Gross), Illinois, 1916-19; Associate Professor of Anatomy, California, 1919-22.

ASSOCIATE PROFESSORS

Rachelle S. Yarrows.......................*Associate Professor of Obstetrics*

M.D., Pennsylvania Women's Medical College, 1893.

Assistant in Obstetrics, Illinois, 1898-99; Physician, Chicago Lying-In Hospital, 1911—; Supervisor of Education for Women, Division of Social Hygiene, State Department of Public Health, 1919-21; Special Consultant, U. S. Public Health Service, 1921—.

Joseph Clar Beck...................................*Associate Professor of Laryngology, Rhinology and Otology*

M.D., College of Physicians and Surgeons, Chicago, 1895.

Laryngologist, Rhinologist and Otologist, University Hospital, Cook County Hospital, 1909-18, North Chicago Hospital, 1909—;Consultant, Oto-Laryngologist to U. S. Public Health Hospital, No. 30, 1920—.

Frank Smithies............................*Associate Professor of Medicine*

M.D., Michigan, 1904.

Assistant in Medicine, Rush, 1904-06; Instructor in Internal Medicine and Demonstrator of Clinical Medicine, Michigan, 1906-09; Attending Physician, Univ. of Michigan Hospital, 1906-09; Gastro-enterologist and Clinical Laboratory Chief in Diseases of the Alimentary Tract, Mayo Clinic, Rochester, Minn., 1910-13; Assistant Pathologist, Stadt Krankenhaus Alt. Moabit, Berlin, 1906; Gastro-enterologist, Augustana Hospital, 1913-1922; Medical Consultant, U. S. Marine Hospital, Chicago, 1918-20; Physician-in-Chief and Head Department of Medicine, St. Elizabeth's Hospital, Chicago, 1923—.

Edward Louis Heintz........................*Associate Professor of Medicine*

Ph.G., St. Louis College of Pharmacy, 1898; M.D., Illinois, 1901; LL.D., South Dakota, 1922.

Assistant Professor of Materia Medica, Illinois, 1901-03, Adjunct Professor Materia Medica, 1903-12, Assistant Professor of Medicine and Clinical Medicine, 1913-18; Attending Physician, University Hospital, 1908—, Policlinic Hospital of Chicago, 1912-15, 1918-19, Cook County Hospital, 1918-20.

Maurice Lewison.........................*Associate Professor of Medicine*

M.D., Northwestern, 1906.

Instructor in Neurology and Diseases of the Chest, Illinois, 1906-09, Instructor in Diseases of the Chest, 1909-12, Professor of Physical Diagnosis, 1912-13, Assistant Professor of Physical Diagnosis, 1913-18; Attending Physician, Cook County Hospital, Municipal Tuberculosis Sanitarium, Mt. Sinai Hospital.

George Farnsworth Thompson...............*Associate Professor of Surgery*

B.S., Wisconsin, 1896; M.D., Rush, 1899.

Instructor in Surgery, Rush, 1902-12; Assistant Professor of Junior Surgery and Clinical Surgery, Illinois, 1912-13; Assistant Professor of Surgery and Clinical Surgery, 1913-18; Attending Surgeon, Cook County Hospital, 1906—, West Side Hospital, 1910—.

John Weatherson........................*Associate Professor of Medicine*

C.E., Cornell, 1895; M. D., Illinois, 1900.

Instructor in Medicine, Illinois, 1901-10, Assistant Professor of Medicine, 1912-17; Special Work, Harvard Graduate Medical School, 1919; Member of Attending Staff, Chicago Hospital, 1901-08, Lakeside Hospital, 1908-14, South Shore Hospital, 1919—; Chief of Medical Department, Illinois Masonic Hospital, 1921—; Attending Staff, Cook County Hospital, 1922—.

Otto Herman Rohrlack......................*Associate Professor of Obstetrics*

Ph.G., Northwestern, 1892, M.D., 1902.

Assistant Obstetrician, University Hospital, 1910—, Chicago Lying-In Hospital, 1910—, Cook County Hospital, 1917-20, Norwegian American Hospital, 1917—; Assistant Professor of Obstetrics and Clinical Obstetrics, Illinois, 1913-19.

Sidney Strauss............................*Associate Professor of Medicine*

A.B., Harvard, 1901, M.D., 1904.

Assistant in Medicine, Rush, 1906-09, Associate in Medicine, 1909-10, Instructor in Medicine, 1910-11, Assistant Professor of Medicine, 1911-20; Associate Attending Physician, Michael Reese Hospital, 1912—; Assistant Attending Physician, Presbyterian Hospital (Chicago), 1913-19; Attending Physician, Cook County Hospital, 1920—.

GEORGE BORIS HASSIN........................*Associate Professor of Neurology*

M.D., Imperial University of Kazan, Russia, 1897.

Instructor in Nervous and Mental Diseases, 1909-13; Attending Neurologist, Cook County Hospital, 1913—; Histologist to Illinois State Psychopathic Institute, 1920—.

ROY LEE MOODIE..............................*Associate Professor of Anatomy*

A.B., Kansas, 1905; Ph.D., Chicago, 1908.

Assistant Professor of Zoology, Kansas, 1908-13; Instructor in Anatomy, Illinois, 1914-16, Associate, 1916-17, Assistant Professor, 1917-21.

KARL ALBERT MEYER..........................*Associate Professor of Surgery*

M.D., Illinois, 1908.

Assistant in Clinical Surgery, Illinois, 1916-17; Instructor in Clinical Surgery, 1917-18, Assistant Professor of Surgery, 1918-20; Medical Warden, Cook County Hospital, 1914—; Attending Surgeon, Cook County Hospital, 1920—.

CHARLES MORGAN MCKENNA....*Associate Professor of Genito-Urinary Surgery*

B.S., Chicago, 1903; M. D., Rush, 1905.

Genito-Urinary Surgeon to St. Joseph's Hospital; Assistant Professor of Surgery (Genito-Urinary), Illinois, 1918-21.

HENRY BASCOM THOMAS............*Associate Professor of Orthopedic Surgery*

B.S., Chicago, 1899; M.D., Northwestern, 1903.

Instructor in Materia Medica, Northwestern, 1905-06, Instructor in Orthopedic Surgery, 1905-09; Senior Attending Orthopedic Surgeon, St. Luke's Hospital, 1904—; Attending Orthopedic Surgeon, Home Destitute Crippled Children, 1906-10; Provident Hospital, 1906-11; Cook County Hospital, 1908-13; Chief Orthopedic Surgeon, Cook County Hospital, 1913-20; Assistant Professor of Surgery (Orthopedic), Illinois, 1918-21.

FRANK CHAUVET.............................*Associate Professor of Medicine*

M.D., Illinois, 1907.

Instructor in Junior Medicine, Histology and Embryology, Illinois, 1910-13, Instructor in Physical Diagnosis, 1913-17, Associate in Physical Diagnosis, 1917-18; Member Consulting Staff, Cook County Hospital, T. B. Dept., 1912—; Member Medical Staff University Hospital, 1914—, Norwegian American Hospital, 1918; Assistant Professor of Clinical Diagnosis, Illinois, 1919-21.

HENRY EUGENE IRISH........................*Associate Professor of Pediatrics*

M.D., Illinois, 1901.

Instructor in Pharmacology and Therapeutics, Illinois, 1904-11, Instructor in Junior Medicine, 1911-14, Instructor in Pediatrics, 1914-17, Associate in Pediatrics, 1918-19, Assistant Professor of Pediatrics, 1919-21; Attending Pediatrician, University Hospital, 1914—; Consulting Physician, Municipal Contagious Hospital, 1916—; Attending Physician, Cook County Hospital (Contagious), 1917-21.

MAURICE LAMM BLATT.......................*Associate Professor of Pediatrics*

M.D., Rush, 1903.

Instructor in Pediatrics, Illinois, 1914-16, Associate in Pediatrics, 1917-19; Attending and Directing Physician, Pediatric Department, West Side Jewish Aid Dispensary, 1906-15; Attending Dispensary Physician, Municipal T. B. Sanatorium, 1912-16; Attending Physician, Chicago Winfield Sanatorium, T. B., 1910-15; Directing Physician, Bethlehem Day Nursery, 1912-1915; Attending Physician, Maimonidies Hospital, Pediatric Department, 1912-14; Attending Staff, Michael Reese Hospital, 1911-16; Attending Physician, Cook County Hospital, Contagious Department, 1916-20, Pediatric Department, 1920; Consulting Pediatrician, Illinois Eye and Ear Infirmary, 1921; Assistant Professor of Pediatrics, Illinois, 1920-21.

CASSIUS CLAY ROGERS.........................*Associate Professor of Surgery*

A.B., Valparaiso, 1891; M.D., Rush, 1896; A.M, Valparaiso, 1908.

Instructor in Physiology, Chicago College of Dental Surgery, 1896-1905; Instructor, Laryngology, Rush, 1898-1902; Professor and Head of Department of Physical Diagnosis, Chicago College of Dental Surgery, 1901-08; Professor and head of the Department of Surgery, Chicago College of Medicine and Surgery, 1905-15; Attending Surgeon, Francis Willard Hospital, 1907-17; Evangelican Deaconess Hospital; Assistant Professor of Surgery, Illinois, 1919-21.

ERNEST SISSON MOORE.......................*Associate Professor of Medicine*

Ph.B., DePauw, 1892; M.D., Illinois, 1903.

Demonstrator of Pathology, Illinois, 1903-09, Instructor in Clinical Medicine, 1909-10; Physician in charge of Cook County Consumption Hospital, 1905-12; Associate in Clinical Medicine, Illinois, 1915-18, Assistant Professor of Medicine, 1919-1920.

FREDERICK G. DYAS...........................*Associate Professor of Surgery*

M.D., Northwestern, 1904.

Instructor in Surgery, Illinois, 1908-11, Assistant Professor of Surgery, 1911-19; Associate Professor of Surgery, Northwestern, 1920-21.

Haim I. Davis............................*Associate Professor of Psychiatry*
M.D., University of Charkow, Kharkoff, Russia, 1891.
Assistant Professor of Neurology, Illinois, 1906-18; Attending Neurologist, Michael Reese Hospital, 1908—.

William F. Petersen.......*Associate Professor in Pathology and Bacteriology*
S.B., Chicago, 1909; M.D., Rush, 1912.
Instructor Pathology, Columbia, 1913-14; Assistant Professor of Experimental Medicine and Pathology, Vanderbilt, 1914-17; Associate in Pathology, Illinois, 1920-21.

Frances Eugene Senear.................*Associate Professor of Dermatology and Acting Head of Department*
B.S., Michigan, 1912, M.D., 1914.
Instructor in Dermatology and Syphilology, Michigan, 1915-16; Attending Dermatologist, St. Joseph Hospital Dispensary; Consulting Dermatologist, Illinois Central R. R.; Attending Dermatologist, Ravenswood Hospital; Instructor in Dermatology, Illinois, 1918-19, Associate in Dermatology, 1919-20; Attending Dermatologist, St. Bernard's Hospital, 1921—.

ASSISTANT PROFESSORS

John Michael Lang.......................*Assistant Professor of Gynecology*
M.D., Illinois, 1900.
Member of Staff, West Side Hospital, 1912—.

Benjamin Franklin Lounsbury.............*Assistant Professor of Surgery*
B.L., Wisconsin, 1902; M.D., Northwestern, 1907.
Surgeon in Charge, Washington Blvd. Hospital, 1913—.

Charles Francis Read......................*Assistant Professor of Psychiatry*
B.S., Beloit, 1898; M.D., Rush, 1901.
Managing Officer, Chicago State Hospital, Dunning, Ill., 1917-21; State Alienist, Department of Public Welfare, 1921—.

John Ross Harger...........................*Assistant Professor of Surgery*
B.S., Chicago, 1904; M.D., Rush, 1906.
Assistant in Clinical Surgery, Illinois, 1908-10, Instructor in Clinical Surgery, 1910-12, Assistant Professor of Junior Surgery and Minor Surgery, 1912-13, Instructor in Junior and Minor Surgery, 1913-16, Associate in Surgery and Minor Surgery, 1916-18.

Ralph Chess Purnell Truitt.............*Assistant Professor of Neurology*
M.D., Maryland, 1910.
Assistant Physician, New Jersey State Hospital, Trenton, 1910-12; Physician-in-Chief, City Hospital, and Physician in Out-Patient Department, Johns Hopkins Hospital, Baltimore, 1912-13; Clinical Instructor in Psychiatry, Baltimore Medical College and College of Physicians and Surgeons, Baltimore, 1912-13; First Assistant Resident Physician, Phipps Psychiatric Clinic, Johns Hopkins Hospital, 1913-14; Medical Director, State Hospital, Jackson, La., 1914-15; Senior Physician, State Hospital, Trenton, N. J., 1915-17; Medical Director, Illinois Society for Mental Hygiene, 1919—.

Charles Herbert Phifer......................*Assistant Professor of Surgery*
M.D., Illinois, 1902.
Instructor in Junior Medicine, Illinois, 1902-07, Instructor in Senior Surgery, 1907-16, Instructor in Surgery, 1916-18; Attending Surgeon, Lakeside Hospital, 1903-14; Attending Surgeon, Washington Park Hospital, 1914—; Associate in Surgery, Illinois, 1918-19.

Egan Walter Fischmann..................*Assistant Professor of Gynecology*
M.D., Rush, 1906.
Instructor in Gynecology, Illinois, 1912-18, Associate in Gynecology, 1918-19, Instructor in Medicine, 1907-11; Instructor in Gynecology, Chicago Policlinic, 1908-18, Assistant Professor of Gynecology, 1918—; Gynecologist, Grant Hospital, 1921—.

Adolph Hartung........................*Assistant Professor of Roentgenology*
M.D., Illinois, 1908.
Instructor in Radiology, Illinois, 1912-14, Instructor in Roentgenology, 1914-18; Roentgenologist, Cook County Hospital, 1909-13, Alexian Bros. Hospital, 1910—, Henrotin Hospital, 1910-16, German Hospital, 1910-16, Policlinic Hospital, 1910-16; Associate in Roentgenology, Illinois, 1918-19.

Harry Culver..................*Assistant Professor in Genito-Urinary Surgery*
B.S., Wisconsin, 1910; M.D., Rush, 1913; M. S., Illinois, 1918.
Instructor in Experimental Medicine, Illinois, 1915-18, Instructor in Genito-Urinary Diseases, 1916-18; Fellow in Sprague Memorial Institute, 1915; Cystoscopist to Cook County Hospital, 1917—; Urologist to University Hospital, 1918—.

Raymond William McNealy..................*Assistant Professor of Surgery*

M.D., Illinois, 1910.

Instructor in Neurology and Psychiatry, Illinois, 1912-13, Instructor in Senior Neurology, Psychiatry and Junior Medicine, 1912-13, Instructor in Senior Surgery, 1913-14, Instructor in Surgery, 1914-18; Attending Surgeon, Cook County Hospital, 1917—, Post-Graduate Hospital, 1912-22, Illinois Masonic Hospital, 1921.

George Luther Davenport....................*Assistant Professor of Surgery*

M.D., Illinois, 1907.

Associate Attending Surgeon, Michael Reese Hospital, 1913—; Attending Surgeon, Cook County Hospital, 1920—, Illinois Masonic Hospital, 1921—.

Arthur Reuben Cooper......................*Assistant Professor of Anatomy*

B.A., Toronto, 1910, M.A., 1911; Ph.D., Illinois, 1917.

Class Assistant in general Biology, Toronto, 1909-11, Demonstrator in Zoology, 1911-12, Fellow and Demonstrator, 1912-14, Lecturing Demonstrator, 1914-15, Fellow in Zoology, Illinois, 1915-16; Honorary Fellow, 1916-17; Research Assistant in Zoology, University of Michigan, Biological Station, 1917 (Summer); Instructor in Anatomy, Illinois, 1917-19, Associate in Anatomy, 1919-20.

Harry Searls Gradle..................*Assistant Professor of Ophthalmology*

A.B., Michigan, 1906; M.D., Rush, 1908.

Attending Ophthalmic Surgeon, Michael Reese Hospital, 1920—.

Jacques Holinger..............*Assistant Professor in Laryngology, Rhinology and Otology*

M.D., University of Basel, 1890.

Assistant, Ear, Nose and Throat Clinic, University of Basel, 1890-92; Physician, Chicago Eye and Ear Infirmary, 1893-97; Clinical Professor, Diseases of the Ear, Northwestern University, 1896-98; Instructor in Laryngology, Rhinology and Otology, Illinois, 1919, Associate in Laryngology, Rhinology and Otology, 1920-21.

Lester Edward Bower......................*Assistant Professor in Pediatrics*

A.B., Illinois, 1912; M.D., Northwestern, 1914.

Attending Physician, Department of Contagious Diseases, Cook County Hospital, Attending Physician, Department of Pediatrics, 1918-19; Instructor in Pediatrics, Illinois, 1917-19; Attending Pediatrician, Chicago Nursing and Half Orphan Asylum; Associate in Pediatrics, Illinois, 1920-21.

William Joseph Quigley......................*Assistant Professor of Medicine*

B.S., Wisconsin, 1911; M.D., Rush, 1913.

Attending Staff, Cook County Hospital (Tuberculosis), 1919; Instructor in Medicine, Illinois, 1919-21, Associate in Medicine, 1921-22.

Isadore B. Diamond........................*Assistant Professor of Neurology*

M.D., Southern Medical College, 1894.

Instructor, Histology, Pathology and Bacteriology, Southern Medical College, Atlanta, Ga., 1896-97; Pathologist, Grady Hospital, Atlanta, Ga., 1896-97; Assistant in Pathology, Rush, 1899-1902, Assistant in Medicine, 1907-11, Instructor in Medicine, 1907-11; Instructor in Neurology, Illinois, 1912-17.

Anders Frick..............................*Assistant Professor of Medicine*

B.S., University of Lund, 1887; M.S., Sweden; M.D., Medical and Surgical Institute, Stockholm, Sweden, 1896.

AssociateProfessor of Medical Therapeutics, Rush, 1901-05; Chief of Department of Internal Medicine, Augustana Huspital, 1903—; Consulting Physician, Lake View Hospital, 1912—; Attending Physician, Cook County Hospital, 1912-13.

ASSOCIATES

Arrie Bamberger..*Associate in Surgery*

B.S., Chicago, 1906; M.D., Rush, 1909.

Instructor in Pediatrics, Illinois, 1910-11, Assistant Professor of Pediatrics, 1911-12, Assistant Professor Clinical Pediatrics, 1912-13, Instructor Minor Surgery, 1913-18; Attending Staff, Cook County Hospital, 1917-19; Attending Surgeon, Michael Reese Hospital Dispensary, 1910-20, Illinois General Hospital, 1921—, Chicago Hospital, 1923—.

Oscar Eugene Nadeau............*Associate in Surgical Pathology and Associate in Anatomy*

B.S., Wisconsin, 1911; M.D., Rush, 1913.

Instructor of Photography, Wisconsin, 1910-11; Instructor, Surgical Pathology, Illinois, 1911-18; Pathologist, St. Mary of Nazareth Hospital, 1912-13, Associate Surgeon, 1917—; Consulting Surgeon, Contagious Diseases Hospital, 1918—; Urologist, Augustana Hospital, 1918—.

FRANKLIN SAMUEL WILSON.................................*Associate in Medicine*
Ph.G., Illinois, 1894; M.D., 1911.
Instructor Clinical Medicine, Illinois, 1914-18; Cook County Agents Physician; Examining Physician for Juvenile Home and Court.

EDWARD FRANCIS GARRAGHAN........................*Associate in Laryngology, Rhinology and Otology*
A.B., St. Ignatius College, 1895, A.M., 1905; M.D., Illinois, 1901.
Instructor in Surgery (Laryngology, Rhinology and Otology), Illinois, 1914-18; Assistant Eye Surgeon, Illinois Charitable Eye and Ear Infirmary, 1908—; Attending Oculist and Aurist, Municipal T. B. Sanitarium, 1918—, Sheridan Park Hospital, 1920—; Instructor in Laryngology, Rhinology and Otology, Chicago Policlinic, 1907-15; Attending Oculist and Aurist, John B. Murphy Hospital, 1920—.

WALTER HENRY THEOBALD....*Associate in Laryngology, Rhinology and Otology*
S.B., Chicago, 1911; M.D., Rush, 1911.
Instructor in Surgery (Laryngology, Rhinology and Otology), Illinois, 1916-18; Attending Otologist, Rhinologist and Laryngologist, St. Luke's Hospital, 1915—.

PAUL GERHARD ALBRECHT.................*Associate in Physiological Chemistry*
Ph.D., Stanford, 1917; B.S., Illinois, 1921.
Assistant in Chemistry, Stanford, 1913-14; Professor of Chemistry, Western Reserve Univ., College of Pharmacy, 1914-17.

FRANK LEE STONE....................................*Associate in Gynecology*
M.D., Illinois, 1910.
Instructor in Pathology, Illinois, 1911-12; Professor of Pediatrics, Creighton, 1913-14; Instructor in Gynecology, Illinois, 1914-19.

JOHN PERLEY SPRAGUE........................*Associate in Orthopedic Surgery*
A.B., Bates College, 1898; M.D., Northwestern, 1903.
Clinical Assistant in Neurology, Northwestern, 1903-05; Professor of Hygiene, Grinnell College, 1914-17; Scientific Assistant, United States Public Health Service, 1918-19; Attending Staff, University Hospital, 1919—; Attending Surgeon (Orthopedic), Illinois Masonic Hospital, 1922—.

JOHN WESTON NUZUM.................*Associate in Pathology and Bacteriology*
B.S., Wisconsin, 1912; M.D., Rush, 1915.
Director of Laboratories, Cook County Hospital, 1916-19; Chief Surgical Assistant, Augustana Hospital, 1919—; Junior Attending Surgeon, Augustana Hospital, 1922—; Visiting Surgeon, Washington Park Hospital, Chicago, 1922—.

JOHN CHARLES MATTHEW KRASA........................*Associate in Medicine*
M.D., Illinois, 1913.
Instructor in Medicine, Illinois, 1914-17; Associate Attending Physician, University Hospital, 1914—; Attending Physician, Bohemian Settlement House of Chicago, 1919—; Member of Attending Staff, Illinois Charitable Eye and Ear Infirmary, 1921—; Associate Attending Physician, University Hospital, 1914-22, Associate Attending Opthalmologist, 1922—.

HENRY LESTER BAKER.................................*Associate in Surgery*
M.D., Illinois, 1898.
Assistant in Clinical Surgery, Illinois, 1914-16; Member of Staff, University Hospital, 1915; Instructor in Surgery, Illinois, 1912-19.

WALTER CHARLES HAMMOND............................*Associate in Obstetrics*
M.D., Illinois, 1911.
Attending Physician, Lakeview Hospital, 1913—; Instructor in Obstetrics, Illinois, 1913-19; Associate in Obstetrics, Chicago Policlinic Hospital, 1915-17; Adjunct Obstetrician, Chicago Lying-in Hospital and Dispensary, 1922.

GEORGE WASHINGTON POST, JR..........................*Associate in Surgery*
B.S., Milton College, 1905, A.M., 1909; M.D., Illinois, 1909.
Attending Surgeon, St. Anne's Hospital, 1913—; Assistant in Clinical Surgery, Illinois, 1912-19.

RALPH CHARLES SULLIVAN.............................*Associate in Surgery*
A.B., St. Ignatius College, 1908; A.M., Loyola, 1912; M. D. Rush, 1912.
Instructor in Surgery, Chicago College of Medicine and Surgery, 1913-17; Member, Attending Staff, Oak Park Hospital, 1921—.

SOLOMON MAXWELL GOLDBERGER.......................*Associate in Pediatrics*
M.D., Illinois, 1908.
Attending Physician, Jewish Aid Dispensary, 1908-10, St. Margaret's Hospital, Hammond, Ind., 1910-15, Norwegian and Deaconess Hospital, 1916—, Norwegian American Hospital, 1916—; Pediatrician, Chicago Policlinic, 1917—; Instructor in Pediatrics, Illinois, 1918-21.

CHARLES FRANCIS YERGER....*Associate in Laryngology, Rhinology and Otology*

Ph.G., Northwestern, 1898; M.D., 1905.

Instructor in Medicine, Illinois, 1905-07, Instructor in Operative Surgery, 1907-11; Instructor in Oto-Laryngology, Rush, 1912-13; Attending Surgeon, Sceleth Hospital (Eye, Ear, Nose and Throat), House of Correction, 1913-20, Illinois Charitable Eye and Ear Infirmary, 1913—; Attending Oto-Laryngologist, Cook County Hospital, 1920—; Instructor in Laryngology, Rhinology and Otology, Illinois, 1918-21.

MARCUS HATFIELD HOBART......................*Associate in Orthopedic Surgery*

A.B., Northwestern, 1912, M.D., 1915.

Instructor in Medicine, Northwestern University, 1916-17; Instructor Orthopedic Surgery, Illinois, 1920-21; Attending Staff, Orthopedic Surgery, St. Luke's Hospital, 1921—; Attending Surgeon, Evanston Hospital, 1922—.

FRANK JOSEPH JIRKA..................................*Associate in Medicine*

M.D., Northwestern, 1910.

Assistant Professor of Medicine, College of Medicine and Surgery, Valparaiso University, 1912-13; Assistant in Physical Diagnosis, Illinois, 1913-17, Instructor in Medicine, 1920-21.

GROVER TRACY...........................*Associate in Physiological Chemistry*

A.B., Pennsylvania College, 1909.

Assistant in Physiological Chemistry, Illinois, 1914-16; Assistant in Physiological Chemistry, Columbia, 1916-18; Instructor in Physiological Chemistry, Illinois, 1919-21.

HAROLD STACEY HULBERT................................*Associate in Neurology*

M.D., Michigan, 1914.

Demonstrator in Psychiatry, Michigan, 1914-17; Assistant Physician in State Psychopathic Hospital, Michigan, 1916; Consulting Psychiatrist, U. S. Naval Training Station, Great Lakes, 1917-18; Assistant Physician, Chicago State Hospital, 1919-21; Instructor in Neurology, Illinois, 1920-21.

LEON FRANCIS SHACKELL...........*Associate in Pharmacology and Therapeutics*

B.S., St. Louis University, 1910, M.D., 1914.

Assistant in Nutrition, Illinois, 1904-07; Assistant in Agricultural Chemistry, Missouri, 1907-09, Assistant in Physiology, 1909-10, Instructor in Physiology, 1910-11, Instructor in Pharmacology, 1911-14; Assistant Professor of Pharmacology, St. Louis, 1914-16; Professor of Physiology and Physiological Chemistry, Utah, 1916— (On leave 1922-23).

ARTHUR RAY METZ.............................*Associate in Operative Surgery*

A.B., Indiana, 1909; M.D., Rush, 1911.

Surgeon and Roentgenologist, Washington Boulevard Hospital, 1913—; Assistant in Operative Surgery, Illinois, 1920-21.

LECTURERS

ELMER DE WITT BROTHERS..................*Lecturer on Medical Jurisprudence*

B.S., Valparaiso, 1882; LL.B., Michigan, 1892.

Lecturer on Dental Jurisprudence, Illinois, 1913—; Lecturer and Instructor, John Marshall Law School, 1903—.

MATTHEW MILLS..................*Alternate Lecturer on Medical Jurisprudence*

A.B., Yale, 1900; LL.B., Northwestern, 1903.

Instructor, John Marshall Law School, 1903—.

BERNARD JOHN CIGRAND.......................*Lecturer on History of Medicine*

B.S., Northern Indiana Normal School, 1884; M.S., Valparaiso, 1885; D.D.S., Lake Forest University, 1888.

Head of Prosthetic Dentistry, Northwestern (Dental), 1892-99; Secretary and Dean, Illinois (Dental), 1899-1904.

LEON ASHER..*Lecturer in Physiology*

Professor of Physiology, and Director of the Physiological Institute, University of Berne, Switzerland.

INSTRUCTORS

ANNIE ESTHER BARRON-HARRISON....................*Instructor in Obstetrics*

M.D., Illinois, 1902.

Superintendent, University Dispensary, 1902-14; Physician to Helen Day Nursery, 1914-17; Assistant Obstetrician, University Hospital, 1907—.

HARRY JEROME SMEJKAL................*Instructor in Genito-Urinary Surgery*

M.D., Illinois, 1908.

Physician, Chicago Hospital, 1908-09; Instructor in Anatomy, Illinois, 1910-11, Instructor in Medicine, 1911-14.

Archie James Graham........................*Instructor in Operative Surgery*
B.S., Illinois, 1902; M.D., 1902.

Thomas Smith Jones.........*Instructor and Artist in Department of Anatomy*
B.F.A., St. Louis, 1908.

Clyde Mason Snow..........*Instructor in Materia Medica, Pharmacology and Therapeutics*
Ph.G., Illinois, 1902; A.M., Valparaiso, 1910.
Instructor in Chemistry of Drugs, Harvey Medical College, 1903-04, Lecturer on Pharmacognosy, 1903-04; Lecturer on Pharmacy, Chicago College of Medicine and Surgery, 1909-10; Instructor in Pharmacy, Illinois (Pharmacy), 1902-10, Acting Professor of Pharmacy, 1910-11, Assistant Professor of Pharmacy, 1911-19, Associate Professor of Pharmacy, 1919-20, Professor of Pharmacy, 1920—.

Thomas John Sullivan, Jr..................*Instructor in Orthopedic Surgery*
M.D., Illinois, 1915.
Attending Surgeon, Mercy Hospital.

Isadore Pilot....................................*Instructor in Pathology*
M.D., Illinois, 1917; B.S., Chicago, 1919.
Pathologist, Lutheran Deaconess Hospital, 1921—; Adjunct in Medicine, Michael Reese Hospital, 1923—.

Max Meyerovitz..................................*Instructor in Surgery*
M.D., Illinois, 1907.
Assistant in Clinical Surgery, University Hospital, 1910—; Assistant in Clinical Surgery, Illinois, 1913-19.

Leo Anthony Juhnke..............................*Instructor in Gynecology*
M.D., Northwestern, 1910.
Assistant in Gynecology, Chicago, 1913-14, Instructor in Gynecology, 1915-16, Assistant Professor, 1917; Assistant in Gynecology, Illinois, 1917-19; Attending Physician, Home of Good Shepherd.

Samuel A. Levinson................*Instructor in Pathology and Bacteriology*
B.S., Illinois, 1917, M.S., 1919, M.D., 1919.

Frank George Murphy.....................*Instructor in Orthopedic Surgery*
B.S., Minnesota, 1913; M.D., Rush, 1915.
Attending Orthopedic Surgeon, South Shore Hospital, Chicago, 1922—.

Dennis Rider Wood Crile....................*Instructor in Orthopedic Surgery and in Anatomy*
B.S., Wisconsin, 1914; M.D., Harvard, 1917.
Instructor in Surgery, Western Reserve, 1920; Instructor in Surgery, Lakeside Hospital, Cleveland, 1920; Senior Orthopedic Surgeon, St. Mary of Nazareth Hospital, 1921—.

Hans Nachtigall..............................*Instructor in Obstetrics*
M.D., Chicago College of Medicine and Surgery, 1913.
Assistant to Professor Koblanck (Gynecology and Obstetrics) and to Professor K. Brandenburg (Internal Medicine) at the Rudolph Virchow Krankenhaus, Berlin, Germany, 1913-14; Member attending Staff Chicago Lying-In Hospital Dispensary, 1921—.

James Tobias Groot..............................*Instructor in Physiology*
S.B., Chicago, 1920; B.S., Illinois, 1921.
Assistant in Physiology, Illinois, 1916-20, Instructor in Physiology, 1918-21, Lecturer in Physiology (Pharmacy), Illinois, 1921—.

Lyndon Harris......................................*Instructor in Surgery*
M.D., Illinois, 1912.
Instructor in Junior Medicine, Illinois, 1914-16.

Hallard Beard................................*Instructor in Ophthalmology*
B.S., Chicago, 1914; M.D., Rush, 1917.

Isadore Michael Levin..............................*Instructor in Pediatrics*
S.A., Chicago, 1914, S.B., 1916; M.D., Rush, 1919.

Vincent John O'Conor..................*Instructor in Genito-Urinary Surgery*
B.S., Michigan, 1915; M.D., Rush, 1917.
Instructor, Genito-Urinary Diseases, Harvard, 1919-20; House Officer, Peter Bent Brigham Hospital, Boston, 1917; House Surgeon, Presbyterian Hospital, Chicago, 1918-19; Residing Urological Surgeon, Peter Bent Brigham Hospital, Boston, 1919-20; Attending Urological Surgeon, Washington Boulevard Hospital, Chicago.

MAX S. WIEN .... *Instructor in Dermatology*
B.S., Chicago, 1917; M.D., Rush, 1919.
Examining Physician, Chicago Tuberculosis Sanitarium, 1921—.

LLOYD LAVERNE ELY.................................... *Instructor in Medicine*
M.D., Iowa, 1919.

FREDERICK L. PICKOFF.................. *Instructor in Pathology and Bacteriology*
B.S., Illinois, 1918, M.D., 1920.
Pathologist, St. Bernard's Hospital, 1921—.

SEYMOUR J. COHEN................................ *Instructor in Pharmacology*
B.S., Chicago, 1917, M.S., 1917; M.D., Rush, 1919.
Assistant in Physiology, Chicago, 1917; Assistant in Pharmacology, Illinois, 1917-18.

HARRY WILLIAM FINK................................ *Instructor in Dermatology*
B.S., Chicago, 1918; M.D., Rush, 1921.

JOSEPH J. LITSCHGI................................ *Instructor in Roentgenology*
M.D., Chicago Medical College, 1920.

IDEL TREIGER.................................... *Instructor in Clinical Laboratory*
M.D., University of Berne, 1917.
Assistant Professor of Bacteriology, Pathological Institute, University of Berne, 1917-18; Assistant Surgeon and Pathologist, City Hospital Burgdorf, Berne, Switzerland, 1918-20.

DAVID M. LEVY....................................... *Instructor in Criminology*
B.A., Harvard, 1914; M.D., Rush, 1918.
State Psychiatrist, Illinois, 1920—.

MARGARET AMERTON HEATH........................ *Instructor in Ophthalmology*
B.A., Wellesley College, 1907.

PEARL MAE STETLER................................. *Instructor in Obstetrics*
B.A., Wisconsin, 1911; M.D., Johns Hopkins, 1913.
Assistant in Gynecology, Rush, 1917-19; Member attending Staff, Obstetrics and Gynecology, Mary Thompson Hospital, 1920—.

FRANCIS TODD H'DOUBLER...... *Instructor in Pathology and Assistant in Surgery*
B.A., Wisconsin, 1907, M.A., 1908, Ph.D., 1910; M.D., Harvard, 1915.
Graduate Scholar in Mathematics, Wisconsin, 1907-08; Fellow in Mathematics, 1908-10; Medical House Officer, Peter Brigham Hospital, 1916-17; Surgical House Officer, Augustana Hospital, 1915-17, Resident, 1921—, Assistant Junior Attending Surgeon, 1922—.

EUGENE CARY.. *Instructor in Obstetrics*
B.S., Chicago, 1910; M.D., Rush, 1912.
Clinical Assistant in Gynecology, Northwestern, 1914-21; Junior Obstetrician, St. Luke's Hospital, 1914—.

RUSSELL DORR HERROLD..................... *Instructor in Genito-Urinary Surgery*
B.S., Drake, 1911; M.D., Rush, 1915.
Member of Staff, John McCormick Institute for Infectious Diseases, 1917—.

GOLDYE HOFFMAN.................................. *Instructor in Gynecology*
M.D., Illinois, 1915.
Assistant in Gynecology, Illinois, 1918-21.

CLARA GRACE GOTTSCHALK............................ *Instructor in Surgery*
M.D., Illinois, 1915.
Assistant in Surgery, Illinois, 1918-21.

JOSEPH K. CALVIN.................................... *Instructor in Pediatrics*
S.B., Chicago, 1916; M.D., Rush, 1918.
Assistant in Pediatrics, Illinois, 1920-21.

LEO JACOB JACOBSON.................................. *Instructor in Medicine*
M.D., Illinois, 1916.
Clinician, Chicago Tuberculosis Institute, 1919; Assistant in Medicine, Illinois, 1920-22.

PHILLIP ROSENBLUM................................. *Instructor in Pediatrics*
M.D., Northwestern, 1913.
Assistant in Pediatrics, Illinois, 1921-22.

William Franklin Moncreiff....................*Instructor in Ophthalmology*
S.B., Vanderbilt, 1913, M.S., 1913; M.D., Rush, 1917.
Assistant in Ophthalmology, Illinois, 1921-22.

Lucia Elizabeth Tower................................*Instructor in Physiology*
S.B., Chicago, 1920.
Assistant Instructor in Physiology, Chicago, 1921-22.

Richard Hermann Jaffe...............................*Instructor in Pathology*
M.D., University of Vienna, 1913.

Thomas Patrician Hughes...............*Instructor in Physiological Chemistry*
A.B., Stanford, 1921, M.A., 1922.

Irving I. Muskat........... *Instructor in Larynology, Rhinology and Otology*
B.S., Wisconsin, 1918; M.D., Rush, 1920.

Julius Brams.......................*Instructor in Pathology and Bacteriology*
B.S., Illinois, 1919, M.D., 1921.

Albert Vander Kloot..................................*Instructor in Medicine*
M.D., 1915, Illinois.

Francis Loeffler Lederer......*Instructor in Larynology, Rhinology and Otology*
S.B., Chicago, 1919; M.D., Rush, 1921.

Samuel Jacob Burrows..............................*Instructor in Anatomy*
M.D., Jefferson, 1917.

Frank Max Wittelle..................................*Instructor in Medicine*
B.S., Illinois, 1919, M.D., 1920.

Maxwell P. Borovsky...............................*Instructor in Pediatrics*
B.S., Chicago, 1917; M.D., Rush, 1919.
Resident Physician, Cook County Children's Hospital, 1920-21; Examining Physician, Children's Department Winfield Tuberculosis Sanitarium, 1923—.

Robert Ludwick Furby..............................*Instructor in Pediatrics*
M.D., Illinois, 1913.
Instructor in Medicine, Illinois, 1914-19.

ASSISTANTS

Elmer William Mosley..................................*Assistant in Medicine*
Ph.G., Valparaiso, 1903; M.D., Illinois, 1911.

Jesse Louis Bollman....................*Assistant in Physiological Chemistry*
A.B., Illionis, 1917; M.S., Michigan, 1918; B.S., Illinois, 1923.
Assistant, Bacteriology, Michigan, 1917-18, Instructor, 1918.

Frederick Christopher..................................*Assistant in Surgery*
B.S., Northwestern, 1911; M.D., Johns Hopkins, 1915.
Assistant Surgeon, St. Luke's Hospital, 1920.

Walter Rathfon Fischer....................*Assistant in Orthopedic Surgery*
B.S., Illinois, 1919, M.D., 1920.

Benjamin Braude..............................*Assistant in Operative Surgery*
B.S., Chicago, 1906; M.S., 1907; M.D., Rush, 1909.
Instructor in Neurology, Illinois, 1911-14; Assistant in Ear, Nose and Throat, Rush, 1914-15; Assistant in Anatomy, Illinois, 1919-20.

Virgil Sheetz Counseller...............................*Assistant in Surgery*
B.S., Chicago, 1918; M.D., Rush, 1919.
Assistant in Embryology, Histology and Neurology, Ohio, 1916; Junior Attending Surgeon, Evanston Hospital.

Irving Robert Browning......................*Assistant in Operative Surgery*
B.S., Michigan, 1912; M.D., Rush, 1919.
House Physician, Washington Blvd. Hospital, 1920.

Marshall Daniel Hayes...............................*Assistant in Obstetrics*
B.S., Illinois, 1918; M.D., Rush, 1921.
Instructor in Medicine, Rush, 1920-21.

Samuel Glenwood Plice.............................*Assistant in Obstetrics*
B.S., Illinois, 1919; M.D., 1921.

Reinhold Claus Schlueter.............................*Assistant in Pediatrics*
M.D., Northwestern, 1910.
Assistant in Pediatrics, Rush, 1917.

Edgar Theron Blair.............................*Assistant in Obstetrics*
B.S., Illinois, 1918, M.D., 1920.

Gilbert Palmer Pond.............................*Assistant in Surgery*
B.S., Pennsylvania State College, 1915; M.D., Rush, 1919.

Harold Norris Ets.............................*Assistant in Pharmacology*
B.S., University of Rochester, 1920.

Alvah Lewis Sawyer.............................*Assistant in Medicine*
B.S., Beloit, 1909; M.D., Illinois, 1913.
Associate, Staff West Suburban Hospital, 1919—.

Howard LaRue Marsh..................*Assistant in Physiological Chemistry*
B.S., Pennsylvania State College, 1909, M.S., 1912.

Duane Willard Propst.............................*Assistant in Medicine*
A.B., Illinois, 1916, B.S., 1917, M.D., 1919.

Israel Lytton Sherry.............................*Assistant in Pediatrics*
B.S., Chicago, 1910; M.D., Rush, 1912.

Adeline R. White.............................*Assistant in Anatomy*
B.S., Wisconsin, 1899; M.D., Rush, 1920.

Louis Bothman.............................*Assistant in Ophthalmology*
B.S., Chicago, 1915; M.D., Rush, 1917.
Resident, Cook County Hospital, 1918-19; Assistant in Surgery, Loyola, 1919; Assistant in Medicine, St. Louis, 1920.

John Baptist Cipriani.............................*Assistant in Medicine*
M.D., Illinois, 1913.

Walter John Richard Heinekamp..................*Assistant in Obstetrics*
B.S., Illinois, 1919, M.S., 1920, M.D., 1923.

Ralph August Kordenat.............................*Assistant in Surgery*
B.S., Illinois, 1919, M.S., 1921, M.D., 1922.

Leonard Fred Weber.............................*Assistant in Dermatology*
M.D., Illinois, 1922.

Karl Leroy Vehe.............................*Assistant in Surgery*
B.S., Northwestern, 1912, M.D., 1915.
Assistant in Anatomy (Microscopic), Northwestern, 1920, Instructor in Surgery, 1917-1920.

Fred Rush Thompson.............................*Assistant in Surgery*
B.S., Illinois, 1918, M.D., 1920.

Max E. Engerman.............................*Assistant in Pediatrics*
B.S., Illinois, 1918, M.D., 1920.

Louis J. Wisch.............................*Assistant in Pediatrics*
M.D., Illinois, 1922.

Guy Leon Wagoner.............................*Assistant in Pediatrics*
B.S., Illinois, 1916, M.D., 1918.

Thaddeus Leopold Bradel.............................*Assistant in Medicine*
B.S., Chicago, 1917; M.D., Rush, 1919.

Jacob Meyer.............................*Assistant in Medicine*
B.S., Chicago, 1914; M.D., Rush, 1916; M.S., Chicago, 1917.

George Shaynin Livingston.............................*Assistant in Surgery*
B.S., Illinois, 1920, M.S., 1920.

Charles Owen Hershey.......... *Assistant in Obstetrics*
M.D., Illinois, 1922.

Edmund F. Foley.......... *Assistant in Medicine*
S.B., Chicago, 1918; M.D., Rush, 1921.

Carl Cohen.......... *Assistant in Pediatrics*
B.S., Illinois, 1918, M.D., 1920.

Clarence Charles Saelhof.......... *Assistant in Physiological Chemistry*
B.S., Illinois, 1919, M.S., 1920, M.D., 1921.

Yngve Joranson.......... *Assistant in Anatomy*
A.B., Augustana, 1913; B.S., Chicago, 1915; M.D., Rush, 1917.

Theodore A. Rost.......... *Assistant in Anatomy*
B.S., Illinois, 1920, M.D., 1922.

John W. Brennan.......... *Assistant in Anatomy*
M.D., Rush, 1920.

Milton Marquette Ochs.......... *Assistant in Anatomy*
M.D., Illinois, 1920.

David Solomon Beilin.......... *Assistant in Anatomy*
B.S., Illinois, 1917, M.D. 1919.

Warner Lee Thomason.......... *Assistant in Anatomy*
M.D., Emory, 1921.

Paul White Rush.......... *Assistant in Medicine*
B.S., Illinois, 1919, M.D., 1923.

I. A. Rabens.......... *Assistant in Medicine*
B.S., Chicago, 1914, M.S., 1914; M.D., Rush, 1916.
Attending Staff, North Chicago Hospital, 1918—.

Henry C. Becker.......... *Assistant in Hygiene*
M.D.V., McKillip College, 1911

Jesse Henry Roth.......... *Assistant in Laryngology, Rhinology and Otology*
B.S., Notre Dame, 1910, M.S., 1914; M.D., Illinois, 1915.

Adolph Kraft.......... *Assistant in Surgery*
B.S., Illinois, 1919, M.S., 1920, M.D., 1922.

Beulah Cushman.......... *Assistant in Ophthalmology*
M.D., Illinois, 1916; B.S., Milwaukee Downer College, 1922.

Frank Raymond Richmond.......... *Assistant in Medicine*
B.S., Illinois, 1919, M.D., 1922.

James Edward Fitzgerald.......... *Assistant in Obstetrics*
A.B., Michigan, 1914; M.D., Northwestern, 1920.

John Fisher Gainer.......... *Assistant in Surgery*
B.S., Illinois, 1919, M.D., 1922.

Dorrin Fred Rudnick.......... *Assistant in Surgery*
B.S., Illinois, 1922, M.D., 1923.

Theodore Ross Van Pelt.......... *Assistant in Genito-Urinary Surgery*
B.S., Illinois, 1920, M.D., 1922.

Howard Leslie Mawdsley.......... *Assistant in Operative Surgery*
B.A., Iowa, 1919; M.D., Rush, 1922.

Casimir Frank Przypszny.......... *Assistant in Anatomy*
B.S., Illinois, 1919, M.D., 1922.

Glen Amos Brough.......... *Assistant in Pharmacology*
B.S., Illinois, 1922.

L. Beuno Bernheimer.......... *Assistant in Laryngology, Rhinology and Otology*
M.D., Illinois, 1923.

AFFILIATED HOSPITAL STAFFS

THE UNIVERSITY HOSPITAL

SURGERY:

Charles Davison, A.M., M.D............................*Attending Surgeon*
Max Meyerovitz, M.D..........................*Assistant Attending Surgeon*
Charles Marshall Davison, B.S., M.D.......*Assistant Attending Surgeon*

MEDICINE:

Edward Louis Heintz, Ph.G., M.D., LL.D.............*Attending Physician*
Ralph Sherman Michel, M.D.........................*Attending Physician*
George John Lorch, Ph.G., M.D.............*Assistant Attending Physician*
John Mathew Krasa, M.D.................*Assistant Attending Physician*

OBSTETRICS:

Charles Sumner Bacon, Ph.B., M.D...............*Attending Obstetrician*
Otto Herman Rohrlack, Ph.G., M.D.......*Assistant Attending Obstetrician*
Annie Barron-Harrison, M.D.............*Assistant Attending Obstetrician*

GENITO-URINARY SURGERY:

Harry Culver, M.S., M.D.............................*Attending Urologist*
William Henry Bradley, M.D...........*Assistant Genito-Urinary Surgeon and Dermatologist.*

PEDIATRICS:

Henry Eugene Irish, M.D........................*Attending Pediatrician*
Vandy Frank Masilko, Ph.G., M.D.......*Assistant Attending Pediatrician*

DISEASES OF THE EYE:

William Elliot Gamble, B.S., M.D.............*Attending Ophthalmologist*
Edward Vail Lapham Brown, B.S., M.D.......*Attending Ophthalmologist*

DISEASES OF THE NOSE AND THROAT

Karl Albert Meyer, M.D..........*Attending Laryngologist and Rhinologist*

ORTHOPEDIC SURGERY:

John Perley Sprague, A.B., M.D.............*Attending Orthopedic Surgeon*
Walter Rathfon Fischer, B.S., M.D...... *Assistant Attending Orthopedic Surgeon*

ROENTGENOLOGY AND PATHOLOGY:

Don J. Royer, M.D..........................*Pathologist and Röntgenologist*

GRANT HOSPITAL OF CHICAGO
CONSULTING STAFF

Surgery—Dr. Jacob Frank, 25 E. Washington St.; Dr. L. L. McArthur, 122 S. Michigan Ave., Dr. Arthur Dean Bevan, 122 S. Michigan Ave.

Internal Medicine—Dr. O. L. Schmidt, 5 S. Wabash Ave.; Dr. Gustave Schirmer, 1101 S. Ashland Ave.

Pathology—Dr. F. Robert Zeit, 643 Garland Av., Winnetka.

Nose and Throat—Dr. Frederick Menge, 25 E. Washington St.

Roentgenology—Dr. M. J. Hubeny, 25 E. Washington St.

ATTENDING STAFF

Surgery—Dr. A. G. Zimmerman, 30 N. Michigan Ave.; Dr. Sylvan Coombs, 25 E. Washington St.; Dr. F. H. Pirnat, 2422 Smalley Court; Dr. H. Edward Sauer, 25 E. Washington St.; Dr. Wm. Hessert, 547 Fullerton Ave.

Medicine—Dr. W. S. Orth, 5. S. Wabash Ave.; Dr. Henry Hartung, 722 Diversey Blvd.; Dr. John E. Siebel, 1538 Dearborn Pkwy.; Dr. Alex Stevenson, 104 S. Michigan Ave.

Gynecology—Dr. Ernst Saurenhaus, 59 Bellevue Place; Dr. T. J. Doederlein, 25 E. Washington St.; Dr. E. W. Fischmann, 30 N. Michigan Ave.

Obstetrics—Dr. C. S. Bacon, 2156 Sedgwick St.; Dr. W. A. Stuhr, 2733 N. Clark St.; Dr. Julius E. Lackner, 104 S. Michigan Ave.

Eye—Dr. Ludwig Abele, 209 S. State St.; Dr. Theodore Wild, 30 N. Michigan Ave.; Dr. O. H. Kraft, 25 E. Washington St.

Ear, Nose and Throat—Dr. J. Holinger, 5 S. Wabash Ave.; Dr. G. T. von Colditz, 25 E. Washington St.; Dr. G. J. Dennis, 25 E. Washington St.

Nervous Diseases—Dr. Peter Bassoe, 30 N. Michigan Ave.

Genito-Urinary and Dermatology—Dr. L. E. Schmidt, 5 S. Wabash Ave., Dr. H. A. Kraus, 25 E. Washington St.

Pediatrics—Dr. Ernst Lackner, 31 N. State St.; Dr. G. Edwin Baxter, 4601 Broadway.

Anesthetics—Dr. J. E. H. Atkieson, 1954 Milwaukee Ave.

Roentgenology—Dr. P. G. Kitter..an, 2614 Cottage Grove Ave.

Pathology—Dr. R. H. Jaffe, 2134 Sedgwick St.

ST. ELIZABETH HOSPITAL
CONSULTING STAFF.

Frederick Tice, M. D., F. A. C. P.	*Diseases of the Lungs*
J. Patton, M.D., F. A. C. P.	*Diseases of the Heart and Circulatory System*
Julius Hess, M. D.	*Diseases of Infancy and Childhood*
John Favill, M. D., F. A. C. P.	*Diseases of the Nervous System*
Wm. A. Pusey, M. D., F. A. C. P.	*Dermatology and Syphilology*
David J. Davis, M.D., Ph.D.	*Patholgy and Bacteriolgy*
Hugh McGuigan, M.D., Ph.D.	*Clinical Biochemistry*

HOSPITAL STAFF
THE DEPARTMENT OF SURGERY

W. C. Sanford, B.S., M.D., F.A.C.S.	*Surgeon-in-Chief, Head of Department, President of Staff*
M. G. Luken, M.D., F.A.C.S	*Attending Surgeon*
E. E. Henderson, M.D., F.A.C.S	*Attending Surgeon*
August G. Zimmerman, M.D., F.A.C.S	*Attending Surgeon*
E. M. Redden, M.D., F.A.C.S	*Associate Attending Surgeon*
B. S. Milton, M.D	*Associate Attending Surgeon*
C. S. Krysinski, M.D	*Associate Attending Surgeon*
J. Laivieri, M.D	*Associate Attending Surgeon*
J. J. Monohan, M.D., F.A.C.S	*Associate Attending Surgeon*
J. P. Woitalewicz, M.D	*Assistant Attending Surgeon*
E. K. Avery, M.D	*Assistant Attending Surgeon*
A. J. Linowiecki, M.D	*Assistant Attending Surgeon*
E. B. Kalvalege, M.D	*Assistant Attending Surgeon*
Z. Klopper, M.D	*Assistant Attending Surgeon*
J. F. Dybalski, M.D	*Assistant Attending Surgeon*
Ralph Kordenat, B.S., M.S., M.D	*Assistant Attending Surgeon*

GYNECOLOGY

P. A. Sullivan, M.D.	*Attending Gynecologist*
Ernst Saurenhaus, M.D., F.A.C.S.	*Attending Gynecologist*
M. A. Gier, M.D.	*Associate Attending Gynecologist*
Oscar Ofner, M.D., F.A.C.S.	*Associate Attending Gynecologist*

THE DEPARTMENT OF MEDICINE

Frank Smithies, M.D., F.A.C.P....*Physician-in-Chief, Head of Department*

ATTENDING PHYSICIANS:

A. E. Luckhardt, M.D	*Neuropsychiatry*
Richard Bartlett Olsen, M.D., F.A.C.P.	*Tuberculosis, Cardiology*
Francis E. Senear, M.D.	*Dermatology*
F. L. Pickof, B.S., M.D.	*Attending Patholgist*

ASSOCIATE ATTENDING PHYSICIANS—GENERAL MEDICINE

Oscar Cleff, M.D.	*Attending Otolaryngoloist and Opthalmologist*
A. E. Wippern, M.D.	*Attending Otolaryngolist and Opthalmologist*
Francis A. Dulak, M.D.	*Assistant Attending Otolaryngologist and Opthalmologist*
Otto H. Rohrlack	*Attending Obstetrician*
Dennis J. Normoyle, D.D.S.	*Attending Oral Surgeon*
Peter J. Latz, M.D.	
M. A. Bisdorf, M.D.	
A. J. Behrend, M.D.	
Fred Rudnick, M.D.	
L. A. Garness, M.D.	

VISITING PHYSICIANS. EXTRA MURAL.

F. Lapiana, M.D.
P. Gibbs, M.D.
S. H. Ganser, M.D.
V. Englert, M.D.
A. T. Delfosse, M.D.
R. L. Furby, M.D.
R. R. Lande, M.D.
A. J. Johnson, M.D.

CHICAGO POLICLINIC AND HOSPITAL

ATTENDING STAFF

Surgery—Malcolm L. Harris, M.D.; Edwin M. Smith. M.D.; William Hessert, M.D.; Norman Kerr, M.D.; Paul Morf, M.D.; John A. Graham, M.D.

Operative Surgery and Surgical Anatomy—Irving Perrill, M.D.

Genito-Urinary—Wm. T. Belfield, M.D.; Louis E. Schmidt, M.D.

Skin—Lucius C. Pardee, M.D.; Frank E. Simpson, M.D.

Gynecology—A. Belcham Keyes, M.D.; Channing W. Barrett, M.D.; Harvey Tyler, M.D.; C. Von Bachelle, M.D.

Obstetrics—Charles S. Bacon, M.D.; Eugene Cary, M.D.

Medical and Physical Diagnosis—O. L. Schmidt, M.D.; J. M. Patton, M.D.; A. F. Stevenson, M.D.; O. W. McMichael, M.D.; J. F. Hultgen, M.D.

Stomach—C. S. Williamson, M.D.

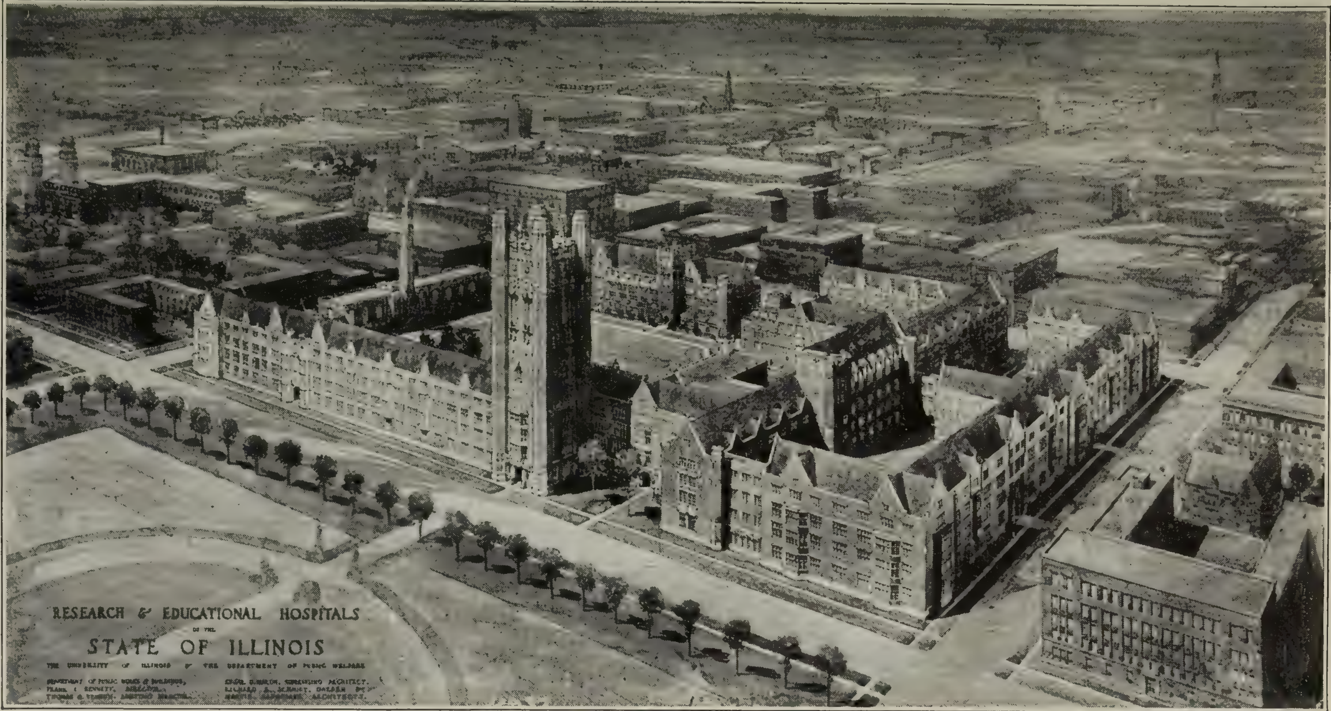
Pediatrics—Sam J. Walker, M.D.; P. E. Grabow, M.D.; N. H. Kleinpell, M.D.; S. M. Goldberger, M.D.

Neurology—Hugh T. Patrick, M.D.; Sydney Kuh, M.D.; James C. Gill, M.D.; J. W. Davis, M.D.

Eye—George W. Mahoney, M.D.; Otto Wipper, M.D.

Ear, Nose and Throat—C. M. Robertson, M.D.; G. F. Fiske, M.D.; Otto T. Freer, M.D.; David Fiske, M.D.; J. M. Bick, M.D.

Pathology, Bacteriology and Microscopy—John A. Graham, M.D.


RESEARCH & EDUCATIONAL HOSPITALS
OF THE
STATE OF ILLINOIS
THE UNIVERSITY OF ILLINOIS & THE DEPARTMENT OF PUBLIC WELFARE
DEPARTMENT OF PUBLIC WORKS & BUILDINGS,
EDGAR MARTIN, SUPERVISING ARCHITECT.

GROUP PLAN OF RESEARCH AND EDUCATIONAL HOSPITALS

THE COLLEGE OF MEDICINE
OF THE
UNIVERSITY OF ILLINOIS

GENERAL INFORMATION

BUILDINGS AND EQUIPMENT

The College Building, located in the city block bounded by Harrison, Congress, Honore, and Lincoln Streets, Chicago, consists of a five-story brick and stone structure two hundred feet long by one hundred and ten feet wide and a three-story brick annex. It contains four lecture rooms, an assembly hall seating seven hundred, a small recitation room, and the laboratories of chemistry, microscopic anatomy, physiology, pathology, bacteriology, pharmacology and therapeutics, operative surgery, experimental medicine, and clinical diagnosis. The laboratories for gross anatomy are located in the Dental Building immediately adjoining the Medical Building.

The laboratories are equipped for bath routine instruction and advanced work, with special research facilities. The general equipment includes: refrigerating plant with cooling units in proximity to the several laboratories, each unit consisting of a number of individual compartments with separate control, providing for a range of temperature down to —5° C.; a Crowell blower, supplying compressed and rarefied air to the laboratories of physiology, chemistry, pathology, and pharmacology; a Roentgen laboratory, in which facilities are provided for the X-ray work of the entire school, especially of the dispensary, where it is used for diagnostic and therapeutic purposes; a photographic outfit, equipped for various kinds of work, including photomicrography; a workship equipped for the repair and construction of apparatus under the supervision of members of the teaching staff; rooms for the housing and care of experimental animals in charge of special caretakers.

CLINICAL FACILITIES

Dispensary

The Dispensary is divided into ten departments: medicine, surgery, pediatrics, orthopedics, laryngology, dermatology, ophthalmology, gynecology, neurology and genito-urinary diseases. 28,873 treatments were given in 1922-23. 7,070 new patients were registered during the same period.

Opportunities are afforded the student to examine the cases personally under the guidance of instructors. As far as possible, the student is required to make laboratory examinations pertaining to his own cases. Such examinations as the Wassermann reaction are made by the instructors in the laboratory, but the student has an opportunity to follow these and to learn the technique involved.

CLINICS

In addition to those in the dispensary more than 600 clinics in various hospitals are open to students. The great majority of diseases seen in the temperate zone are demonstrated, and most of the operations of surgery are performed in these clinics.

Fourth-year students are required to examine and diagnose many cases, and under certain conditions may assist in operations.

Cook County Hospital is located within half a block of the College. This institution is the largest charity hospital in America. During the past year it has cared for 55,184 patients. In this hospital is conducted much of the clinical instruction of the College.

Medical appointments in this institution are made each year by the Civil Service Board. The internes, 64 in number, are selected each spring by competitive examination. Only graduates of medical colleges of Cook County are eligible for these examinations. The internes serve eighteen months.

County Morgue is located in the hospital grounds, and daily post-mortems are held by the pathologists of the hospital.

The hospital tickets cost $5.00 each. They are for sale at the office of the Warden. They admit the holders to all clinics and autopsies and to all public operations and lectures.

University Hospital, located at the corner of Congress and Lincoln streets, opposite the College, contains 104 beds. The Directors of the hospital are members of the faculty of the College. Bedside instruction is given, under certain conditions, to small groups of students. No students, excepting those of the College, were admitted to clinical instruction in the hospital during the year 1922-23.

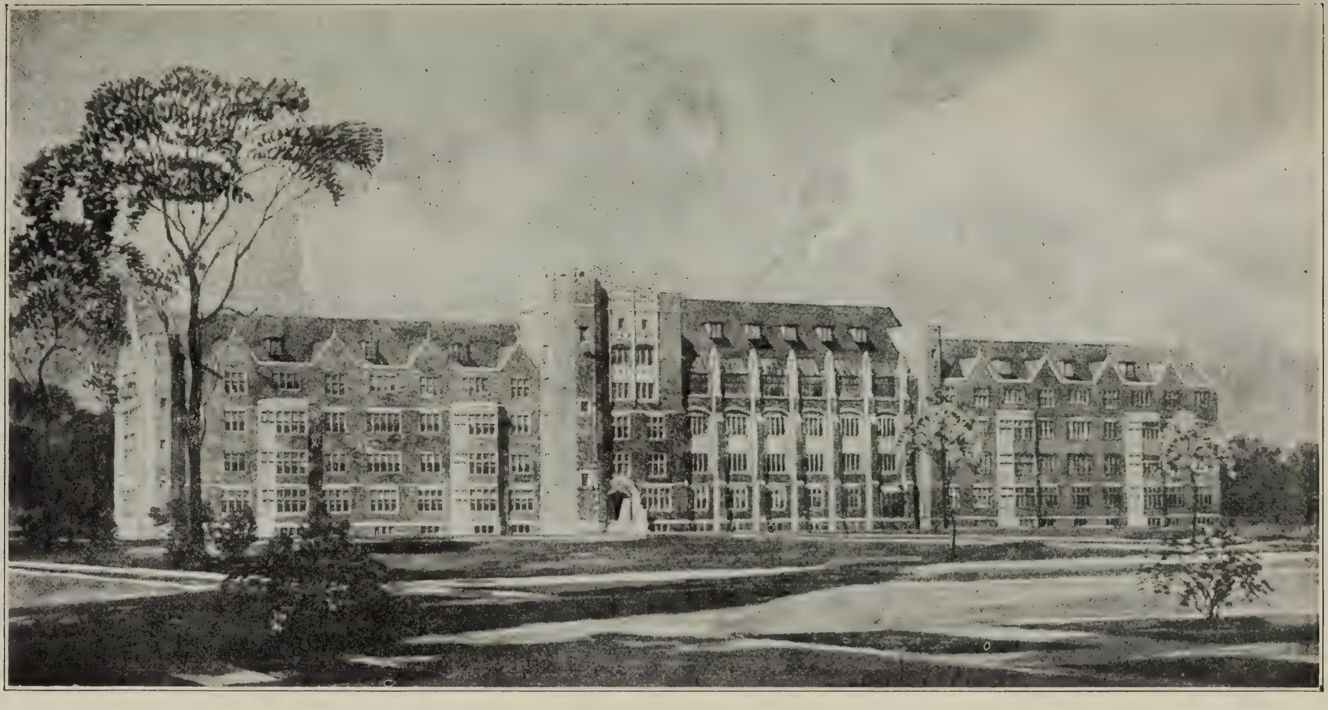
Clinical instruction to students in small groups, and bedside instruction to those serving as externes, may be given in the following hospitals:

Augustana Hospital, corner of Lincoln and Cleveland avenues, contains 260 beds. Students receive bedside instruction during their service as externes and attend clinics in small groups. The service covers the entire field of surgery and medicine with the exception of contagious diseases.

Michael Reese Hospital, corner of 29th and Ellis avenue, is composed of three separate buildings, the Hospital proper for adults, with 350 beds, the Sarah Morris Hospital for Children, with 125 beds, and the Nelson Morris Institute for Medical Research.

St. Luke's Hospital, 1437 Michigan avenue, has 410 beds, of which 283 may be used for clinical purposes.

Illinois Charitable Eye and Ear Infirmary, Peoria and Adams streets, is devoted to the diseases of the eye and ear including those of the nose and throat. It has accommodations for nearly two hundred inpatients. The ambu-



MAIN BUILDING AS VIEWED FROM THE NORTHEAST

(Research and Educational Hospitals)

latory service is the largest in the West of any similar institution. The infirmary has far outgrown the present building. The number of treatments annually is over thirty thousand. The enormous material of the Infirmary, representing the greatest variety of major and minor affections of the eye, ear, nose and throat, is accessible for study to the students of the school.

St. Mary of Nazareth Hospital, 1120 N. Leavitt street, has 225 beds.

St. Joseph's Hospital, 2100 Burling street, capacity 175 beds.

West Side Hospital, 1850 West Harrison street, Chicago, has a capacity of 164 beds, including 6 infant beds.

Grant Hospital, 549-559 Grant place, has a capacity of 160 beds, including 35 infant beds.

St. Elizabeth's Hospital, 1443 N. Claremont avenue, has 200 beds, including 35 infant and 18 children's beds.

Chicago Policlinic Hospital, 219-221 W. Chicago avenue, Chicago, has a capacity of 120 beds, including 6 infant beds.

In addition to the above, there are more than sixty public and private hospitals in Chicago, each of which appoints from two to four internes annually.

LIBRARY FACILITIES

The Quine library contains 27,464 bound volumes and a number of reprints, including the standard text-books, works of reference, monographs, and journal files in the fields of medicine, dentistry and pharmacy. On page 90 will be found a list of the more important files of medical and dental journals. The pharmacy collection occupies part of the main floor of the School of Pharmacy. It contains 4,303 volumes and 2,500 pamphlets and ranks as one of the largest pharmaceutical libraries in the country. In addition to these two collections many of the departments of the three schools are supplied with working libraries.

ANNOUNCEMENT OF NEW HOSPITAL, RESEARCH LABORATORY AND LIBRARY FACILITIES

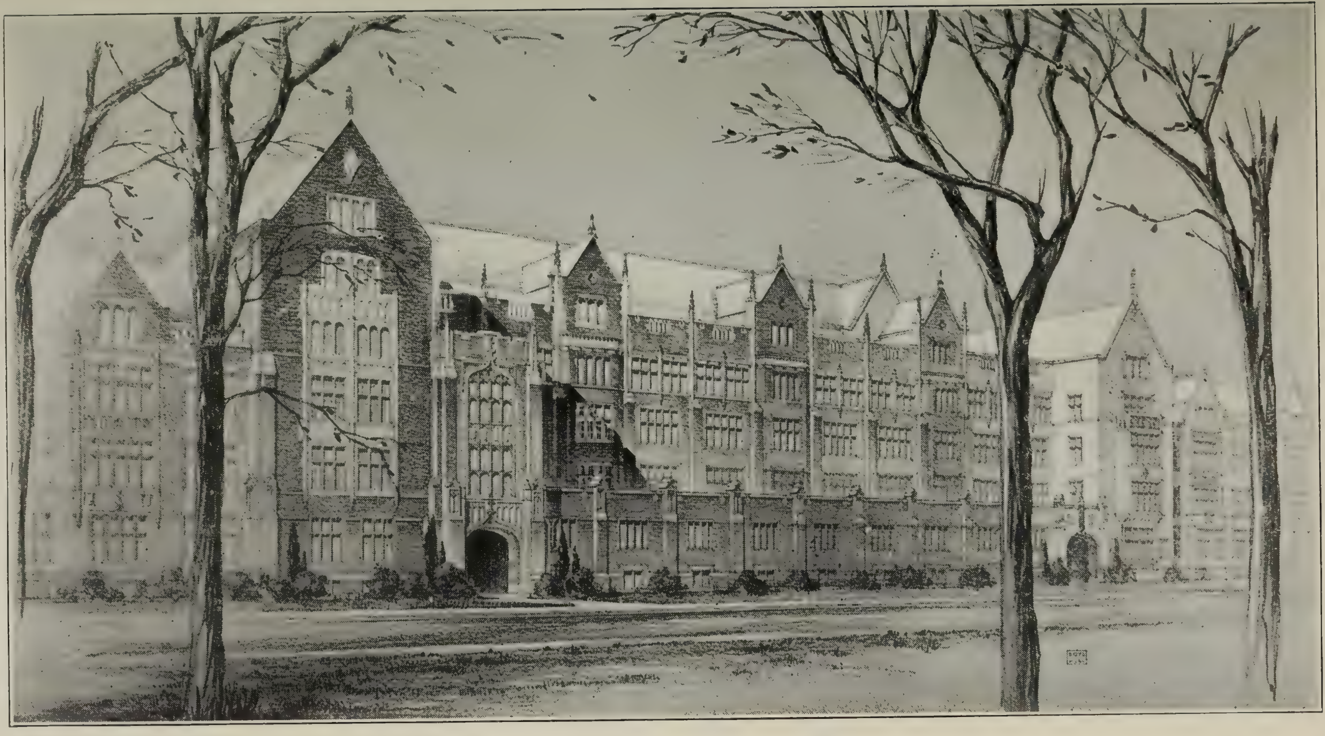
The General Assembly of 1919 appropriated $300,000 for the construction of a Clinical Building. This building will be devoted to the investigation and treatment of those diseases which belong in the fields of general medicine, surgery, obstetrics and gynecology, but it will not provide for the teaching and investigation which must be developed in connection with the specialties such as crippled and deformed children, the demented and insane, venereal diseases, tuberculosis, cancer, diseases of the eye, ear, nose and throat, etc.

The purposes of the Clinical Building are clearly set forth by Ex-President James in the following words: "This clinical building will not be a hospital in an ordinary sense at all. It will not undertake to treat the general run of hospital patients. Its facilities will be reserved for 'cases,' that is, for patients whose cases are of interest from the standpoint of medical science and art. Provision will be made for keeping chronic cases of interest and special value for instruction and scientific purposes for a length of time determined solely by the scientific value of the case."

The General Assembly of 1919 also appropriated about $1,000,000 to the State Department of Public Welfare for the construction of a group of Educational hospitals in the city of Chicago, this group to begin with the construction of the Illinois Charitable Eye and Ear Infirmary, a Psychiatric Institute and a Surgical (Orthopedic) Institute for Children. It was imperative that in addition to these special hospitals which would provide for the study of the causes of insanity, the treatment of diseases of the eye, ear, nose and throat and the surgical treatment of deformed and crippled children, there should be some provision for the study and treatment of many other diseases, such as those of the blood, lymphatics and ductless glands, together with the diseases of the heart, lungs, stomach and intestines, kidney and bladder. There should be some provision for those who need general surgical aid. There should be also some place for the treatment of women who are afflicted with the many diseases peculiar to the sex. Another great need of the Department of Public Welfare was well equipped laboratories and extensive libraries. It experienced great difficulty in obtaining high class medical men owing to the lack of these facilities.

It was obvious that the Department of Public Welfare needed just such an Institution as that proposed in the Clinical Building which the University had in contemplation. The University, on the other hand, needed the special hospitals which the Department of Public Welfare was about to erect; moreover, the Department of Public Welfare could provide a site for the Clinical Building which was much superior to that owned by the University.

On the 5th day of July, 1919, the State Department of Public Welfare and the State University agreed to a plan of co-operation and differentiation with the following objects in view: to construct and maintain a great group of hospitals and institutes in the medical center of Chicago where laboratories, libraries and medical skill could be readily obtained; to provide medical treatment for the indigent sick of the State; to give young men and women a medical education and training such that they would become active soldiers in the warfare for the prevention as well as the cure of disease; to help prac-



RESEARCH LABORATORY

ticing physicians of the State to keep in touch with the latest and best methods of preventing and curing human ailments; to tell the people of the State through special lectures and bulletins how to keep themselves physically efficient. The greatest object of all is to determine the cause of sickness and on the basis of this knowledge institute preventive measures. By this plan of co-operation the College of Medicine will present clinical advantages, the value of which cannot be overestimated.

Under this plan it was necessary that there should be provisions for a laboratory building in connection with the group of hospital buildings.

The General Assembly of 1921 appropriated to the University of Illinois five hundred thousand dollars for the construction of a Research Laboratory and Library building. This building is connected by corridors in the basement and on the third floor with the main hospital building. It will house the library and research laboratories in the medical sciences. The pharmacology laboratories and the library occupy the first floor, pathology and bacteriology the second, physiological chemistry and physiology the third, anatomy the fourth, and the animal hospital and operating rooms the fifth floor.

This building furnishes the necessary laboratory facilities for investigations in the study of the causation, prevention and cure of diseases.

ENTRANCE REQUIREMENTS FOR 1923-1924

All applications for admission must be made to the Secretary of the College in Chicago at the address of the College of Medicine. No application will be considered unless it is accompanied with complete credentials necessary to determine whether or not the student is eligible for admission. (See statement below with reference to pre-medical students at Urbana.)

For admission to the College of Medicine, candidates must present:

1. Four years' work in an accredited high school or the equivalent, comprising not fewer than 15 units in acceptable subjects, including prescribed subjects as follows:

English	3 units*
Algebra	1 unit
Plane geometry	1 unit
Latin, Greek, German, or French (both units in the same languages)	2 units
History and civics	1 unit
Electives	7 units
Total	15 units

2. Two years' work in a recognized college or university, comprising not less than 60 semester hours, and including prescribed subjects as follows:

Chemistry (including organic chemistry, 4 semester hours)	12 semester hours†
Physics (at least 2 hours of laboratory work)	8 semester hours
Biology (at least 4 hours of laboratory work, see note 1)	8 semester hours
English	6 semester hours
German, French, Spanish, or Italian (see note 2)	6 semester hours
Electives outside of the chemical, physical and biological sciences (see note 3)	6 semester hours
Free electives (see note 3)	14 semester hours
Total	60 semester hours

Note 1: Biology—Four of these 8 semester hours must consist of laboratory work. This requirement may be satisfied by a course of 8 semester hours in either general biology or zoology, or by courses of 4 semester hours each in zoology and botany, but not by botany alone.

Note 2: German, French, Spanish, or Italian.—German or French is preferred. The student is strongly urged to secure a reading knowledge of one of these languages. This will ordinarily require at least two years' work in the

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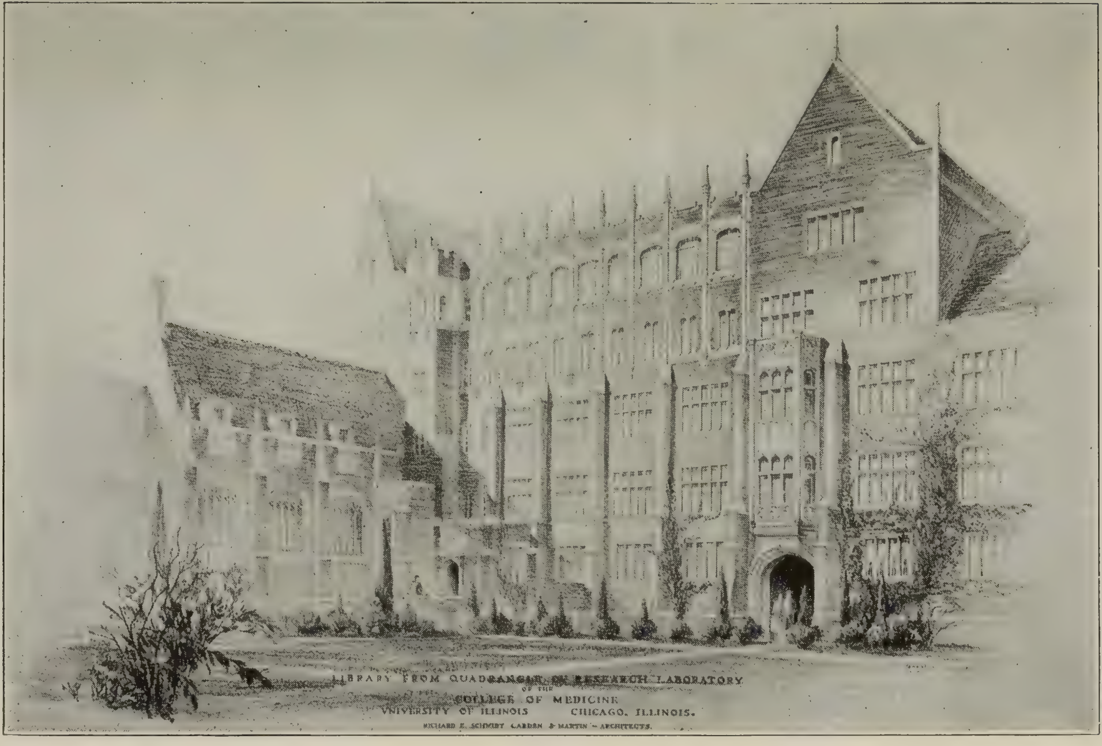
*By a *unit* of high-school or academy work is meant a year's work in a single subject; it being understood that the school year shall not be less than 36 weeks in length, that classes shall recite 5 times a week, that the recitation period shall be not less than 40 minutes long, that in science subjects there shall be double periods twice a week, and that double time shall be given in subjects like drawing, manual training and bookkeeping, in which little or no outside study is required Since high school students ordinarily take four subjects at a time throughout the four years of the high-school course, 15 units represent approximately four years of high-school work.

† By a *semester hour* of college credit is meant the work of a class meeting one hour once a week for a semester of 18 weeks. Sixty semester hours represent ordinarily two years of college work.


LIBRARY FROM QUADRANGLE OF RESEARCH LABORATORY
OF THE
COLLEGE OF MEDICINE
UNIVERSITY OF ILLINOIS CHICAGO, ILLINOIS.
RICHARD E. SCHMIDT GARDEN & MARTIN – ARCHITECTS.

LIBRARY AND RESEARCH LABORATORY FROM QUADRANGLE

high school followed by at least 6 hours' work in the same language in college, or two full years' work (in a class reciting at least 3 periods per week) in college if the language was not begun in the high school, or the equivalent.

Note 3: Electives.—As desirable electives the following subjects are suggested: psychology; college algebra and trigonometry; additional English; economics, history, sociology, political science; logic; Latin, Greek; drawing. Among the free electives advanced chemistry, zoology and botany may be offered.

Transfer from other Colleges of the University—Students who have completed the requirements stated above and who have done in residence at the University at least two semesters of such work may transfer their registration to the College of Medicine, subject to the following conditions:

1. The student who wishes thus to continue in the University must signify his intention to the Registrar on a form provided by the University not later than June 15 of the year in which he purposes to begin his medical course, if the student completes this work in June. If the work is to be completed in the Summer Session, the form referred to must be filed by July 1.

2. The student must comply with the general regulations for registration in the College of Medicine. This includes the payment of fees in advance.

3. A student who is on probation in any college of the University at the time of the transfer will be continued on probation in the Colloge of Medicine.

Students who have fulfilled the foregoing conditions will be given precedence in the order of admission.

No conditions are permitted. Candidates for admission who, in June 1923, will have completed the above requirements except for a few hours in collegiate subjects should plan to make up these deficiencies in full by attendance at summer sessions during the summer of 1923.

HOW THE ENTRANCE REQUIREMENTS MAY BE MET

The high-school requirement may be satisfied either by certificate or by examination.

High-School Credits by Certificate

High-school credits will be accepted by certificate from the following sources:

1. From high schools and academies in the State of Illinois which are accredited to the University of Illinois.

2. From schools accredited by the North Central Association of Colleges and Secondary Schools.

3. From schools accredited to the state universities which are included in the membership of the North Central Association of Colleges and Secondary Schools, provided the Illinois standard time requirements are met.

4. From high schools and academies registered by the Regents of the University of the State of New York.

5. From schools approved by the New England College Entrance Certificate Board.

6. From schools accredited by the Southern Association of Colleges and Secondary Schools.

7. From the state normal schools of Illinois and other state normal schools having equal requirements for graduation.

High-School Credits by Examination

High-school credits may be made by examination:

1. In the examinations conducted by the Registrar of the University of Illinois at the University in Urbana in January, July and September of each year.

2. In the examinations conducted by the Registrar of the University of Illinois, in Chicago, five times each year, about March 15, June 15, August 25, September 25 and December 15.

3. In the examinations conducted in June of each year by the College Entrance Examination Board.

4. In the examinations conducted by the Regents of the University of the State of New York.

COLLEGE CREDITS

College credits will be accepted *by certificate* from recognized colleges which require for admission the completion of at least 14 units of high-school work in an accredited high school or the full equivalent thereof, and for graduation, in addition, four years of college work; and also from recognized junior colleges and state normal schools.

A letter of honorable dismissal from the last collegiate institution attended is required.

NON-ILLINOIS STUDENTS

On and after September 1, 1922, all applicants for admission to the College of Medicine, if not legal residents of Illinois, must present with their applications for admission, except as special students or students in the Graduate School, satisfactory evidence that they maintained at the school or college from which they would enter the University of Illinois, a scholastic average at least ten points above the passing grade of such school or college. In case of records which are not kept in numerical grades but in literal or other systems of grading, this requirement will be interpreted to mean an average of one grade above the passing grade, e.g., in a system of A, B, C, and D, with D as the passing grade, the average must be C.

RECORD OF MEDICAL WORK

A letter of honorable dismissal and a transcript of the record are required in all cases where there has been attendance in a medical school.

ADMISSION OF UNCLASSIFIED STUDENTS

The general rule of the University with reference to unclassified students applies to the College of Medicine: Persons over twenty-one years of age, *not candidates for a degree,* may, on approval of the Dean, be admitted to classes for which they are prepared.

ADVANCED STANDING

The University will accept scholarship and time credits for work done in medical colleges having standards equal to those of the College of Medicine, is so far as this work coincides with or is the full equivalent of the courses prescribed by the University.

The pre-medical work of the applicant must meet in full the admission requirements for the class which he desires to enter. This will be determined by the evaluation of his credits on the basis of transcripts obtained directly from the schools where they were earned.

The applicant must present a letter of honorable dismissal from, and be eligible for promotion in, the college in which he pursued his medical studies. His record must be of such character as to give evidence of a high grade of scholarship.

Irregularities due to differences in the curriculums must be satisfactorily adjusted by the student during the first year of his attendance.

REGISTRATION

Students are required to register in the office of the secretary immediately upon the opening of the term for the work of that term, and credit will be allowed only in the branches in which they are registered. Students will be registered in the order in which their fees are paid. Owing to limited space the number of students in each class is restricted to one hundred.

COLLEGIATE YEAR*

The collegiate year of 1923-24 consists of a session of thirty-six weeks, beginning October 1, 1923, and ending June 7, 1924. The year is divided into two semesters, of eighteen weeks each. Attendance upon the full session is required in order to secure credit for a year's work, and five years attendance including a hospital course of not less than twelve months' duration is required for graduation.

FEES AND EXPENSES

Effective September 1, 1922

		Illinois Students	Non-Illinois Students
First Year—	Tuition	$130.00	$165.00
	Laboratory	35.00	35.00
	Total	(165.00)	(200.00)
Second Year—	Tuition	130.00	165.00
	Laboratory	35.00	35.00
	Total	(165.00)	(200.00)
Third Year—	Tuition	160.00	195.00
	Laboratory	5.00	5.00
	Total	(165.00)	(200.00)
Fourth Year—	Tuition	165.00	200.00
	Total	(165.00)	(200.00)
	Grand Total	$660.00	$800.00

Students entering the University for the first time, will be charged a matriculation fee of ten-dollars, in addition to the above.

A late registration fee of one dollar will be charged to students who do not present themselves for the payment of fees on the dates designated in the College calendar.

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*The term "year" in this schedule of fees refers to a period of instruction covering two terms of eighteen weeks each or the equivalent thereof.

All students taking Gross Anatomy are required to make a deposit of $10.00 for the use of a disarticulated skeleton. This deposit is returned to the student at the end of the year upon the return of the material.

The Trustees reserve the right to change the fees at any time through publication in the annual announcement.

ADDITIONAL FEES

Diploma, $10.00. *Copy of original transcript of record, $1.00; for each carbon copy of same, 50c.

Note.—County Hospital ticket, $5.00. Maternity Fee, Chicago Lying-In Hospital, $15.00.

All fees are payable in advance. The entire matriculation and laboratory fees are due and must be paid during the registration days of the first semester, together with one-half of the general fee. The remainder of the general fee is due and payable on the registration days of the second semester.

Exceptions to this rule will be made only with the approval of the proper administrative officer.

There are no fees for special courses or quizzes. No members of the instructional staff are allowed to accept special fees.

In case a student withdraws from the school within ten days after the beginning of the instruction the total amount of his fees except the matriculation fee will be refunded. After ten days and before the expiration of one month a refund of three-fourths of the tuition and laboratory fees will be made. After one month and before the expiration of two months a refund of one-half of these fees will be made. After two months and before the expiration of three months a refund of one-fourth of the fees will be made. After the expiration of three months no part of the fees paid will be refunded.

Fees charged unclassified students are based on the amount of work taken.

Alumni are admitted to all regular courses, without charges, except in laboratory work, in which a charge is made for material actually used.

Each student is required to provide himself with a compound microscope equipped to meet the requirements of the work of the curriculum.

Living Expenses

The expenses of living in Chicago is less than in most other large cities. From forty to fifty dollars per month may be regarded as adequate for the ordinary living expenses of a student exclusive of books, clothing, railroad fare, and miscellaneous needs.

The expense for books varies between $25.00 and $50.00 a year. The instructors at the beginning of each course direct their students in regard to the purchase of text-books.

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*Each student is entitled to one transcript of record, without a fee, but he must pay for extras in the way of carbon copies supplied with the original transcript or for second request for the original.

SCHOLARSHIPS AND FELLOWSHIPS

REA SCHOLARSHIPS

Through the generosity of the late Professor R. L. Rea a fund has been provided for scholarships each year for worthy students. These scholarships are awarded annually by the officers of the Faculty.

For the session of 1922-23, they were granted to the following students:

Jack B. Batko
Bengt Norman Bengtson
Loren Leslie Collins
Otto Bohemil Pavlin
David H. Rosenblum
Robert Schafer
David Schinberg

METHODIST EPISCOPAL SCHOLARSHIP

The scholarship given by the Northwestern branch of the Woman's Foreign Missionary Society of the Methodist Episcopal Church is awarded by the Society.

OTHER UNDERGRADUATE SCHOLARSHIPS

(For circulars giving more detailed information concerning scholarships, apply to the Registrar of the University, Urbana.)

The following undergraduate scholarships relieve the holder of the payment of the matriculation and tuition fees:

County Scholarships—One for each county. The holder is selected by competitive examinations.

General Assembly Scholarships.—One nomination annually by each member of the General Assembly.

State Military Scholarships.—For World War Veterans. Special provision passed by the General Assembly of 1919.

COURSES OFFERED

The student is offered his choice of the following courses:

1. A course of nine years—four in the College of Liberal Arts and Sciences at Urbana, leading to the degree of Bachelor of Arts, followed by five years in the College of Medicine in Chicago, leading to the degree of Doctor of Medicine. This course of study is recommended to young men who can afford the time for it, and who are of the average age of graduation from the public high schools.

2. An eight-year course—three years in the College of Liberal Arts and Sciences at Urbana, followed by five years in the College of Medicine in Chicago. Students taking this course are permitted, at the end of their first year in the College of Medicine, to transfer credits in the medical sciences to complete the requirements for graduation of the College of Liberal Arts and Sciences, and receive the degree of Bachelor of Arts. On the completion of five years in the College of Medicine they receive the degree of Doctor of Medicine.

3. A seven-year course—two years in a recognized college of liberal arts and sciences followed by five years in the College of Medicine. The work of the first two years must include certain prescribed subjects. On the satisfactory completion of the first two years in the College of Medicine, these students receive the degree of Bachelor of Science, and on the completion of the five years in the College of Medicine, they receive the degree of Doctor of Medicine. The two years of work in arts and sciences required for admission to the College of Medicine may be taken in the College of Liberal Arts and Sciences at Urbana.

THE COURSE IN THE COLLEGE OF MEDICINE

REQUIREMENTS FOR GRADUATION

A candidate for graduation from the College of Medicine of the University of Illinois must meet the following requirements:

1. He must have presented acceptable evidence of good moral character.

2. He must have paid all indebtedness to the college.

3. He must have satisfactorily completed the prescribed curriculum of the College of Medicine, comprising four years, of thirty-four weeks each, and in addition must have satisfactorily completed a hospital course of not less than twelve months' duration in a hospital affiliated with or approved by the University of Illinois or a year of research work (p. 39).

In order to be eligible for an interneship in an approved hospital in Illinois a candidate must pass the regular examination of the Illinois State Board of Health and receive from that Board a "limited license," authorizing him "to practice medicine or surgery in a hospital approved by the Illinois State Board of Health, and in no other place whatsoever in this State, said limited license to remain in force and effect for a period not exceeding eighteen months from date of issue of same." (Schedule of Minimum Requirements for Medical Colleges in good standing with the Illinois State Board of Health as amended January 27, 1917.)

Students admitted to advanced standing from other medical schools will not be given full time for any year of less than thirty-two weeks of actual work.

The fourth year of the curriculum must have been taken in the College of Medicine.

The diploma for the degree of Doctor of Medicine will be issued upon the presentation of satisfactory evidence that the hospital year has been acceptably completed.

The rules of the Illinois State Board of Health make the following provision for the issuance of the permanent license:

"At the expiration of the limited license and surrender of same, or upon the completion of the twelve months' hospital course and the surrender of the limited license, and upon presentation of satisfactory evidence that the hospital course has been completed within eighteen months subsequent to the date of completion of the fifth year of the medical course, and further that the candidate presents a diploma of graduation by the medical college, school, or institution in which he or she completed the fifth year of the medical course, the State Board of Health may then issue to the holder of said temporary or limited license a regular permanent certificate, without further examination or fee, provided that all other requirements prescribed by the Act regulating the practice of Medicine in the State of Illinois and by the rules of the Illinois State Board of Health relating thereto have been satisfactorily complied with."

GENERAL PLAN OF INSTRUCTION

During the first two years the work is, in the main, confined to the sciences fundamental to the practice medicine, and the time of the student is largely devoted to laboratory work; during the first year, this consists of work in anatomy, chemistry, embryology, histology, and physiology. During the second year the study of anatomy and physiology is continued and in addition the student takes up bacteriology, laboratory diagnosis, operative surgery, pathology, materia medica, pharmacology, therapeutics, and hygiene.

During the third and fourth years the time is largely devoted to the various clinical branches, emphasis being given to practical instruction in dispensary and hospital clinics.

The fifth year consists of a twelve months' interne service in a hospital affiliated with or approved by the University. Research work may be substituted for the hospital work of the fifth year.

Students are prohibited from doing work that interferes in *any way* with the fulfillment of the requirements of the curriculum. Unofficial clinical work may not be substituted for the official clinical requirements of the curriculum.

MEMORIAL LECTURESHIP

In commemoration of members of the Alumni, Faculty and Student Body who lost their lives during the World War, the Alumni, Faculty and Students have raised a fund sufficient to establish a Memorial Lectureship. It is proposed to have at least one lecture delivered annually by a prominent educator on a subject of general medical interest.

CHANGES IN CURRICULUM

The curriculum has been and is being further modified, with the following objects in view: (1) To enable students to meet the varying requirements of the curriculums established by the various state examining boards; (2) to afford the student an opportunity to participate to a great degree in his own training; (3) to enable students who contemplate a career in teaching or research to come more intimately in contact with research aims and methods. The changes that have been made in the curriculum of the first two years are indicated under electives. Further changes in the curriculum will be announced before the opening of the school year of 1923-1924.

Electives

Optional advance courses are offered in the second semester of the second year in all of the fundamental departments. From these courses, the student elects one course. Each of these courses covers six clock hours of instruction per week.

Optional Work

Optional courses supplemental to the required work of the regular curriculum are offered in many departments. Students may be permitted to register for such courses after completing the work of the first year with the consent of the committee. No credit toward the degree in medicine is allowed for this work.

EXAMINATIONS

General examinations are held in all subjects at the end of each term during the week set apart for this purpose.

Special examinations for the removal of failures are held during the week preceding the next collegiate year. These examinations may be had only upon the recommendation of the head of the department concerned and with the approval of the Dean. Evidence of actual additional work done in a subject must be presented before permission is granted for a special examination. Only one such examination in a given subject will be permitted. For all such examinations, a formal permit must be obtained and a fee of five dollars be paid in advance.

Special examinations may not be taken for the purpose of raising grades in courses in which a student has already credit.

Absences from examinations count as failures unless they occur for satisfactory reasons, in which case the student may be examined subsequently, provided permission for such examination be granted by the Dean.

GRADES

The system of grading is as follows: A, excellent; B, good; C, fair; D, poor (but passing); E failure. A "failure" can be removed only by repetition of the subject in course in an approved institution or by special examination, given by a committee from the department concerned.

PROMOTIONS

Failure to the extent of 100 hours may be carried from the first (Freshman) year into the second (Sophomore) year or from the second (Sophomore) year to the third (Junior) year. No failures of the third (Junior) year may be carried into the fourth (Senior) year. No failure may be carried from the fourth (Senior) year into the fifth (Interne) year.

When failures are made up in course, the number of hours of such failures shall be deducted from the total number of hours of the regular work for the semester.

REFUSAL OF FURTHER REGISTRATION ON ACCOUNT OF POOR SCHOLARSHIP

A student, who, in any semester, receives failures in one-half the total number of hours in his course, shall be refused further registration in the College of Medicine.

GRADES FOR DEGREE OF BACHELOR OF SCIENCE

Grades of not less than C in subjects aggregating at least three-fourths of the work in the first two years of the curriculum are required for the Degree of Bachelor of Science.

REPORTS

Reports on scholarship and attendance are mailed to all students as soon as possible after the end of each term.

CORRESPONDENCE

Address all correspondence to

THE SECRETARY OF THE COLLEGE OF MEDICINE
UNIVERSITY OF ILLINOIS
Congress and Honore Streets, Chicago.

DESCRIPTION OF COURSES IN MEDICINE[1]

ANATOMY, HISTOLOGY, EMBRYOLOGY

ALBERT CHAUNCEY EYCLESHYMER, B.S., M.D., Ph.D., *Professor and Head of the Department*
VICTOR EMANUEL EMMEL, B.S., M.S., Ph.D., *Professor*
ROY LEE MOODIE, A.B., Ph.D., *Associate Professor*
ARTHUR REUBEN COOPER, A.B., A.M., Ph.D., *Assistant Professor*
OSCAR EUGENE NADEAU, B.S., M.D., *Associate*
DENNIS RIDER WOOD CRILE, B.S., M.D., *Instructor*
SAMUEL JACOB BURROWS, M.D., *Instructor*
THOMAS SMITH JONES, B.F.A., *Artist and Instructor*
ADELINE RAWSON WHITE, B.L., M.D., *Assistant*
YNGVE JORANSON, A.B., B.S., M.D., *Assistant*
THEODORE AUGUST ROST, B.S., M.D., *Assistant*
JOHN W. BRENNAN, M.D., *Assistant*
MILTON MARQUETTE OCHS, M.D., *Assistant*
DAVID SOLOMON BEILIN, B.S., M.D., *Assistant*
WARNER LEE THOMASON, M.D., *Assistant*
CASIMIR F. PRZYPYSZNY, M.D., *Assistant*
MARY LOUISE DIXON, *Artist*
LOUIS N. BOELIO, *Technician*
GEORGE MILLER, *Technician*
ADOLPH HAMMER, *Director of Plastic Studio*

GENERAL STATEMENT

The laboratories for gross anatomy comprise two dissecting rooms and a number of smaller rooms for embalming, storing, and prosecting. A plastic studio is situated adjacent to the dissecting room and is available for anatomical reconstruction work and the use of models for teaching purposes. The laboratories for histology and embryology, together with the offices and research laboratories, are situated on the third and fourth floors of the Medical Building. The equipment includes apparatus for emblaming, sectioning, macerating, corroding, and digesting; microtomes, microscopes, paraffin ovens, drawing apparatus, chemicals, glassware, and Grübler stains. A small museum contains special dissections, osteological preparations, and models; sets of histological, neurological, and embryological slides; charts, lantern slides, and other teaching accessories. The departmental library contains the standard texts and about two thousand five hundred special monographs. All the English, German, and French anatomical journals are received. The Crerar Library is readily accessible and makes it possible to consult practically the whole literature of anatomy, biology and zoology.

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[1] The Arabic numerals preceding the captions indicate the number of the courses. Courses numbered with the letter X following the numeral, are optional subjects in which 1 hour of work per week per semester is required in the third year and 3 hours in the fourth year. Unless otherwise specifically stated, the Arabic numerals following the descriptions ot courses indicate the number of one-hour periods. The Roman numerals *I* and *II* indicate the number of semesters over which the course extends.

REQUIRED COURSES—FIRST YEAR

22. **Embryology.**—Ovogenesis and spermatogenesis, maturation, ovulation and its relation to menstruation, fertilization, segmentation, gastrulation, formation and significance of germinal layers; formation of foetal envelopes and placenta; organs, and systems of organs; congenital malformations. Lectures and recitations; 1: laboratory; 2 two-hour periods. *I (first half).*

Professor EYCLESHYMER, Assistant Professor COOPER

23. **Cytology, Histology and Microscopic Anatomy.**—Animal cells; modified cells in blood and lymph, epithelial, connective, muscular, and nervous tissues, and their relationships in the body. Lectures and recitations; 3: laboratory; 3 three-hour periods. *I.*

Professor EYCLESHYMER, Assistant Professor COOPER

26. **Neurology.**—The gross and microscopic anatomy of the brain, spinal cord and organs of special sense. Lectures and recitations; 1: laboratory; 2 two-hour periods. *I. (second half).*

Professor EYCLESHYMER, Assistant Professor COOPER

27-28. **Regional and Systematic Anatomy.**—Complete dissection of the human body: (1) Superior and inferior extremities, (2) thorax and abdomen, (3) the head and neck. Anatomical structure, functional significance, regional relationship of surgical and clinical importance, and structural variation of the component organs and systems. Lectures and recitations; 1: laboratory; 2 four-hour periods. *II.*

Professor EMMEL, instructors and assistants

REQUIRED COURSES—SECOND YEAR

31. **Topographical Anatomy.**—Topography aand relations of the various regions, systems and organs of the body. Lectures and recitations; 2: laboratory; 2 three-hour periods. *I.*

Dr. CRILE and assistants

Applied and Surgical Anatomy.—(See department of surgery.)

OPTIONAL COURSES

50. **Microscopical Technic.**—Preparation of objects; injecting blood vessels and lymphatics; maceration, digestion, and corrosion; decalcification, fixation of tissues, embedding, sectioning, staining, and mounting.

Mr. BOELIO

53. **Medical Illustrating.**—Drawing, including perspective; values and their adaptation to the representation of medical subjects; normal and pathological specimens, both gross and miscroscopic; media adopted for representing certain conditions and structures, and for special methods of reproduction, such as line work, half tone, and lithography. Mr. JONES

56. **Embryology and Histogenesis.**—The structural changes in the principal tissues and their cellular elements during growth; changes in the structure of cells during senescence. Professor EYCLESHYMER

59. **Haematology.**—An intensive study of the blood and blood-forming organs in relation to cytological structure, histogenesis, functional correlations, and current haematological problems. Professor EMMEL

COURSES PREPARATORY TO SPECIALIZATION
(Special Fee)

62. a. **The Eye.**
- b. **The Ear.**
- c. **Mouth, Nose and Throat.**
- d. **The Thorax and Abdomen.**
- e. **The Genito-Urinary System.**
- f. **Pelvic Anatomy.**
- g. **The Extremities**, especially the joints and their mechanism.
- h. **The Brain and Spinal Chord.**

Research.—Physicians who desire to do research and students who have had three years of university training are invited to begin research work in this department. A reading knowledge of French and German is essential.

65-66. Seminar.—Critical reviews of recent anatomical literature; preparation of bibliographies and of scientific papers for publication. Presentation and discussion of the results of investigations.

COURSES FOR GRADUATES

101. Histogenesis.—The structural changes in tissues and their elements, which are directly correlated with normal processes, such as growth, activity, rest, fatigue, senility. *One or two units.*

Professor EYCLESHYMER, Professor EMMEL

103. Individual Research in Embryology and Histogenesis.—*One or two units.*

Professor EYCLESHYMER, Professor EMMEL

DERMATOLOGY

FRANCIS EUGENE SENEAR, B.S., M.D., *Associate Professor and Acting Head of the Department*
HARRY W. FINK, B.S., M.D., *Instructor*
MAX S. WIEN, B.S., M.D., *Instructor*
LEONARD F. WEBER, M.D., *Assistant*

REQUIRED COURSES—FOURTH YEAR

1. Practice.—Lectures, 1. *I.* Associate Professor SENEAR

5. Clinic.—I. *II.* Associate Professor SENEAR

9-10. Clinic.—College Dispensary. In sections. 3 one-hour periods *(three weeks). II.* Associate Professor SENEAR, Dr. FINK, Dr. WIEN, Dr. WEBER

HYGIENE, SOCIAL HYGIENE, CRIMINOLOGY, AND MEDICAL JURISPRUDENCE

HERMAN MORRIS ADLER, A.M., M.D., *Professor of Criminology and Head of the Department*
DAVID M. LEVY, A.B., M.D., *Instructor*
HENRY C. BECKER, M.D.V., *Assistant*
ELMER DEWITT BROTHERS, M.S., LL.B., *Lecturer in Medical Jurisprudence*
MATTHEW MILLS, LL.B., *Alternate Lecturer in Medical Jurisprudence*

Required Course—Second and Fourth Years

4. **Hygiene and Public Health.**—General etiology, immunity, contagious diseases, epidemiology, and preventive medicine; organization of health departments and the work of divisions of the same; vital statistics, inspection of schools and factories; sanitation; food supply and control; public welfare. Lectures and practical work. 3½ hours per week. *I.*

Mr. Becker

Required Course—Third Year

6. **Medical Jurisprudence.**—The principles of law governing individual and professional rights and obligations; responsibilities arising from the relation of physician and patient; confidential character and inviolability of such relation; medical laws of various states. Lectures, 1. *I.*

Mr. Brothers

LARYNGOLOGY, RHINOLOGY AND OTOLOGY

Norval Harvey Pierce, M.D., *Professor and Head of the Department*
Joseph Clar Beck, M.D., *Associate Professor*
Edward Francis Garraghan, A.B., A.M., M.D., *Associate*
Walter Henry Theobald, B.S., M.D., *Associate*
Jacques Holinger, M.D., *Associate*
Charles Francis Yerger, Ph.G., M.D., *Associate*
Irving I. Muskat, B.S., M.D., *Instructor*
Francis Loeffler Lederer, S.B., M.D., *Instructor*
Jesse Henry Roth, B.S., M.S., M.D., *Assistant*

General Statement

The fundamentals of diseases of the nose, throat and ear based on anatomy, physiology and pathology of these organs, and the clinical manifestations of their more common diseases furnish the basis of the work in this department. Stress will be laid on the relationship of these special organs to the body as a whole in health and disease. Teaching will be facilitated by laboratory studies of Bezold's large models of the ear, macerated specimens of the nose, throat and ear, by lantern slides and stereoptic demonstrations, and by actual examination of individuals in the out-patient department and in the hospital.

Required Courses—Third Year

3. **Practice.**—The surgical anatomy, physiology, and pathology of the ear, nose and throat. 1. *I.*

Professor Pierce and Associate Professor Beck

7. **Clinic.**—Illinois Eye and Ear Infirmary. Diseases of the Ear, Nose and Throat. In sections. 1. *I.* (*eight weeks*).

Professor Pierce

11. **Practice.**—The diseases of the throat and nose. 1 (*ten weeks*). *I.*

Professor Pierce

14-15. Clinic.—College Dispensary. In sections. 3 (*three weeks.*) *II.*

Dr. Garraghan, Dr. Theobald, Dr. Yerger, Dr. Muskat, Dr. Lederer, Dr. Roth

MEDICINE

Charles Spencer Williamson, M.S., M.D., *Professor and Head of the Department*

DIVISION OF INTERNAL MEDICINE

Charles Spencer Williamson, M.S., M.D., *Professor*
Frederick Tice, M.D., *Professor*
Maurice Louis Goodkind, M.D., *Professor*
Joseph McIntyre Patton, M.D., *Professor*
Arthur Richard Elliott, M.D., C.M., *Professor*
Frank Smithies, M.D., *Associate Professor*
Edward Louis Heintz, Ph.G., M.D., LL.D., *Associate Professor*
Maurice Lewison, M.D., *Associate Professor*
John Weatherson, C.E., M.D., *Associate Professor*
Sidney Strauss, A.B., M.D., *Associate Professor*
Ernest Sisson Moore, Ph.B., M.D., *Associate Professor*
Frank Chauvet, M.D., *Associate Professor*
William Joseph Quigley, B.S., M.D., *Assistant Professor*
Anders Frick, B.S., M.S., M.D., *Assistant Professor*
John Mathew Krasa, M.D., *Associate*
Franklin S. Wilson, Ph.G., M.D., *Associate*
Frank Joseph Jirka, M.D., *Associate*
Lloyd La Verne Ely, M.D., *Instructor*
Leo Jacob Jacobson, M.D., *Instructor*
Frank Max Wittelle, B.S., M.D., *Instructor*
Elmer W. Mosley, M.D., *Assistant*
Alvah Lewis Sawyer, M.D., *Assistant*
John Baptist Cipriani, M.D., *Assistant*
Duane Willard Propst, A.B., B.S., M.D., *Assistant*
Thaddeus Leopold Bradel, B.S., M.D., *Assistant*
Jacob Meyer, B.S., M.D., M.S., *Assistant*
Edmund F. Foley, S.B., M.D., *Assistant*
Frank Raymond Richmond, B.S., M.D., *Assistant*
Frank B. Lusk, A.B., A.M., M.D., *Assistant*
Paul White Rush, B.S., M.D., *Assistant*
I. A. Rabens, B.S., M.S., M.D., *Assistant*

General Statement

The work in this department begins in the second year and extends through the third and fourth years. In the second year the student begins his work in internal medicine with the study of physical diagnosis on the normal subject. This is followed by the study of pathological cases. The class is divided into small groups, so that the instruction is individual.

Coincident with the above work, the student takes up the sudy of laboraory diagnosis. A course in this subject lays the foundation for the practical clinical work in the dispensary, which begins in the third year and is carried through the fourth year.

In the third year instruction is carried on partly by means of conferences and recitations and partly by clinics. This division of work enables the student not only to obtain systematic instruction in the fundamentals of internal medicine but also to see clinical cases presented, bearing directly on this systematic instruction. At the same time he has opportunity to come into intimate contact with patients and to examine them in the dispensary under supervision. Stress is laid upon the student's personal examination and treatment of the cases.

In the fourth year instruction is carried on partly by means of conferences with group quizzes on the topics covered. This is a continuation of the work in the third year. A large part of the work, however, is clinical and is given not only in the College but in the Cook County, University, St. Luke's, and Augustana Hospitals. In addition, practical work is given in the dispensary in the various medical specialties. Special emphasis is laid upon the clinical work in small groups.

Required Course—Second Year

2a-2b. Physical Diagnosis.—(a) Lectures; 1. *I.* (b) Practical drill on normal subjects; given to small sections of the class. 1 two-hour period. *I.*
Associate Professor Lewison, Associate Professor Chauvet

Required Courses—Third Year

27-28. Clinic.—Dispensary. Practical work on out-patients. Practically

9. Practice.—General survey of the important diseases as a working basis preparatory for the clinical courses. Conferences and recitations. 4. *II.*
Associate Professor Heintz, Dr. Krasa, Dr. Cipriani, Dr. Sawyer, Dr. Propst

13. Clinic.—University Hospital Amphitheater. Selected topics. 1 two-hour period. *I.*
Associate Professor Heintz

15. Clinic.—Cook County Hospital Amphitheater. Selected topics. 1 two-hour period. *I.*
Assistant Professor Quigley

23. Physical Diagnosis Clinic.—Cook County Hospital, tuberculosis wards. To small groups. 1. *I.*
Associate Professor Lewison, Associate Professor Chauvet

every variety of disease of an ambulatory nature common to the temperate zone may be seen here. In sections. 3 two-hour periods (*three weeks*). *II.*
Associate Professor Moore, Dr. Wilson, Dr. Mosley, Dr. Jirka, Dr. Wittelle, Dr. Jacobson.

Required Courses—Fourth Year

31-32. Practice.—Continuation of course of study of previous year; subject elaborated and amplified in conjunction with the clinical work. Lectures illustrated by pathological specimens, charts, and lantern slides; conferences. 4, *I;* 2, *I.*
Lectures, Professor Williamson, Professor Tice
Conferences and recitations, Associate Professor Weatherson

35. Clinic.—Cook County Hospital Amphitheater. Selected topics. 1 two-hour period. *I.*
Professor Williamson

37. Clinic.—Cook County Hospital Amphitheater. Selected topics. 1 two-hour period. *I.*
Professor Tice

39. Clinic.—Cook County Hospital Amphitheater. Selected topics. 1 two-hour period. *I.*
Associated Professor Strauss

41. Clinic.—St. Luke's Hospital. 1 two-hour period. *I.*
Professor Elliott

47. Clinic.—Michael Reese Hospital. 1 one-hour period. *I.*
Professor GOODKIND

49-51. Seminar.—Work in co-operation with the department of surgery and obstetrics. The student receives 48 hours credit, 16 in each department, although the work is done only in one department. The entire class is divided into three groups and each of these again into five sub-groups. During the first semester the groups meet informally and abstracts are prepared and submitted for criticism. During the second semester each group is assigned one hour in which to present its work before the entire class.
Professor WILLIAMSON, Professor HESS, Associate Professor MOORE

OPTIONAL COURSES—THIRD YEAR

1-X. Tuberculosis.
Associated Professor CHAUVET

2-X. Tuberculosis of the Lymphatic System.

OPTIONAL COURSES—FOURTH YEAR

3-X. Diseases of the Blood. *(Eight Weeks.)*
Associate Professor MOORE

4-X. Diseases of the Blood (Continued). *(Eight Weeks.)*
Associate Professor MOORE

5-X. Diseases of the Heart.
Associate Professor STRAUSS

6-X. Diseases of Pancreas and Intestines.
Associate Professor SMITHIES

7-X. Principles of Medicine, Review Course.

DIVISION OF PEDIATRICS

JULIUS HAYES HESS, M.D., *Professor and head of the Division*
HENRY EUGENE IRISH, M.D., *Associate Professor*
MAURICE LAMM BLATT, M.D., *Associate Professor*
LESTER EDWARD BOWER, A.B., M.D., *Assistant Professor*
SOLOMON MAXWELL GOLDBERGER, M.D., *Associate*
ISADOR MICHAEL LEVIN, S.A., S.B., M.D., *Instructor*
JOSEPH K. CALVIN, S.B., M.D., *Instructor*
PHILIP ROSENBLUM, M.D., *Instructor*
MAXWELL P. BOROVSKY, B.S., M.D., *Instructor*
ROBERT LUDWICK FURBY, M.D., *Instructor*
ISRAEL LYTTON SHERRY, S.B., M.D., *Assistant*
REINHOLD C. SCHLUETER, M.D., *Assistant*
MAX E. ENGERMAN, B.S., M.D., *Assistant*
LOUIS J. WISCH, M.D., *Assistant*
GUY LEON WAGONER, B.S., M.D., *Assistant*
CARL COHEN, B.S., M.D., *Assistant*

GENERAL STATEMENT

The work in pediatrics is given in the third and fourth years. So far as possible the course is one of individual instruction, the class being divided into small groups for clinical work .

REQUIRED COURSES—THIRD YEAR

1. Practice and Clinic.—Nutrition and nutritional disturbances in infancy. Lectures; clinical conferences. 1. *I.* Professor HESS

4. Practice.—Recitations. 1. *I.*
Associate Professor IRISH and assistants

7. Clinic.—Cook County Hospital. Physical diagnosis anad demonstration of cases. In groups. 2 (four weeks). *I.* Associate Professor IRISH

9. Clinic.—Cook County Hospital. Contagious diseases. In groups. 2 (*four weeks*). *I.* Assistant Professor BOWER

REQUIRED COURSES—FOURTH YEAR

11. Clinic.—Cook County Hospital. Contagious diseases. In groups. 2 (*four weeks*). *I.* Assistant Professor BOWER

15-16. Clinic.—Dispensary. In sections. 3 two-hour periods (*three weeks*). *II.* Dispensary Staff

19. Clinic.—Cook County Hospital. In groups. One two hour period. *I.*
Professor HESS

21. Clinic.—Cook County Hospital. In groups. One two-hour period (*four weeks*). *I.* Associate Professor BLATT

23. Clinic.—Michael Reese Hospital. In groups. One one-hour period (*eight weeks*). *I.* Professor HESS

DIVISIONS OF NEUROLOGY AND PSYCHIATRY

H. DOUGLAS SINGER, M.D., *Professor of Psychiatry and Head of the Divisions*

GEORGE BORIS HASSIN, M.D., *Associate Professor of Neurology*
HAIM I. DAVIS, M.D., *Associate Professor of Psychiatry*
CHARLES F. READ, B. S., M.D., *Assistant Professor of Psychiatry*
RALPH CHESS PURNELL TRUITT, M.D., *Assistant Professor of Neurology and Psychiatry*
ISADORE B. DIAMOND, M.D., *Assistant Professor of Neurology*
HAROLD STACEY HULBERT, M.D. *Associate in Neurology*

3-4. Practice and Clinic.—Dispensary and Cook County Hospital. Lectures, demonstrations, examination and diagnosis. In sections. 6 two-hour periods (*seven and one-half weeks*). *I.* 1 two-hour period. *I.*

Professor SINGER, Associate Professor HASSIN Assistant Professor READ, Assistant Professor TRUITT, Assistant Professor DIAMOND, Dr. HULBERT.

DIVISION OF ROENTGENOLOGY

ADOLPH HARTUNG, M.D., *Assistant Professor*
JOSEPH J. LITSCHGI, M.D., *Instructor*

REQUIRED COURSE—FOURTH YEAR

4. Practice and Demonstration.—College. The use of the X-ray in medicine and surgery. 4 one-hour periods. *I.*
Assistant Professor HARTUNG

DIVISION OF HISTORY OF MEDICINE

BERNARD JOHN CIGRAND, M.S., D.D.S., *Lecturer*

OPTIONAL COURSE—FOURTH YEAR

51. Lectures.—1. *I.*

OBSTETRICS AND GYNECOLOGY

Charles Sumner Bacon, Ph.B., M.D., *Professor and Head of the Department*

DIVISION OF OBSTETRICS

Charles Sumner Bacon, Ph.B., M.D., *Professor*
Henry Foster Lewis, A.B., M.D., *Professor*
Rachelle S. Yarros, M.D., *Associate Professor*
Otto Herman Rohrlack, Ph.G., M.D., *Associate Professor*
Walter Charles Hammond, M.D., *Associate*
Annie Esther Barron-Harrison, M.D., *Instructor*
Hans Nachtigall, M.D., *Instructor*
Eugene Cary, S.B., M.D., *Instructor*
Pearl May Stetler, A.B., M.D., *Instructor*
Edgar Theron Blair, B.S., M.D., *Assistant*
Marshall Daniel Hayes, B.S., M.D., *Assistant*
James Edward Fitzgerald, B.S., M.D., *Assistant*
Samuel Glenwood Plice, B.S., M.D., *Assistant*
Charles Owen Hershey, M.D., *Assistant*
Walter John Richard Heinekamp, B.S., M.S., M.D., *Assistant.*

General Statement

Instruction is given in both the third and fourth years. The equipment consists of manikins, demonstrations pelves, malformed pelves and other pathological specimens, charts, obstetrical instruments and prepared fetuses.

The clinical work is given in the University Hospital and other affiliated hospitals, the Chicago Lying-in Hospital and Dispensary, and the Cook County Hospital. Bedside and dispensary clinics, in which students examine and study the patients, are given to small groups. Students are required also to assist in the delivery of twelve parturients. An amphitheater clinic is given to the fourth-year class.

All fourth year students are required to take a course of two weeks in residence in the Chicago Lying-in Hospital and Dispensary. The Dispensary, located in the heart of a densely populated part of the city, cares for poor women during their confinement at their homes. The fee for the course is $15.00, payable in advance at the Dispensary.

Required Courses—Third Year

5-6. Physiology of Pregnancy, Labor, the Puerperium and the New Born Infant.—Lectures and recitations. 3. *I.*

Associate Professor Yarros, Dr. Hammond, Dr. Cary, Dr. Stetler

9. Clinic.—University Hospital. Instruction at bedside and in the dispensary. To small groups. 6 one-hour periods (*two weeks*).

Professor Bacon, Associate Professor Rohrlack, Dr. Barron-Harrison, Dr. Blair.

12. Clinic.—University Hospital. The class is divided into groups. The work covers attendance upon the delivery of six parturients.

Required Courses—Fourth Year

15-16. Pathology of Pregnancy, Labor and the Puerperium.—Lectures and recitations. 3. *I.*

Professor Bacon, Associate Professor Rohrlack, Dr. Nachtigall

(a) Laboratory work in pathological anatomy and histology. To small groups. 1 two-hour period (*eight weeks*). DR. NACHTIGALL

(b) Manikin work. To small groups. 1 two-hour period (*eight weeks*). Professor LEWIS, Dr. HAYES

19. Clinic.—Cook County Hospital. To small groups *(four weeks)*. Professor LEWIS

22. Clinic.—University Hospital. Demonstrations and operations. 1. *I*. Professor BACON

25. Clinic.—University Hospital. To small groups. The work covers attendance upon the delivery of six parturients.

26. Clinic.—Chicago Lying-In Hospital and Dispensary. Residence, two weeks; at least six cases.

47-48. Seminar.—This work is done in co-operation with the Departments of Medicine and Surgery. For this work the student receives 48 hours credit, 16 in each department, although the work is done only in one department. The class is divided into three groups, and each of these again into five subgroups. The purpose of this seminar is to give the student a working knowledge of the medical literature and to acquaint him with the methods of looking up the work which has been done on any special subject. During the first semester the groups will meet informally, but abstracts will be prepared and submitted for criticism and the student will be graded on the basis of these abstracts. During the second semester each group will be assigned one hour in which to present its work before the entire class.

Professor LEWIS, Associate Professor ROHRLACK, Dr. NACHTIGALL, Dr. CARY

OPTIONAL COURSES—THIRD YEAR

1-X. Review Course in Obstetrics. 1. *I*. Dr. FITZGERALD, Dr. PLICE

2-X. The Relation of the Endocrine Glands to Obstetrical Affections. 1. *I*. Associate Professor ROHRLACK

OPTIONAL COURSES—FOURTH YEAR

1-X. Oxytocics. 1. *I* Professor BACON

2-X. Review Course in Obstetrics. 1. *I*. Dr. FITZGERALD, Dr. PLICE

3-X. Puerperal Infections. 1. *I*. Associate Professor ROHRLACK

DIVISION OF GYNECOLOGY

CHANNING W. BARRETT, M.D., *Professor and Head of the Division*
JOHN MICHAEL LANG, M.D., *Assistant Professor*
EGAN WALTER FISCHMANN, M.D., *Assistant Professor*
FRANK LEE STONE, M. D., *Associate*
LEO ANTHONY JUHNKE, M.D., *Instructor*
GOLDYE HOFFMAN, M.D., *Instructor*

GENERAL STATEMENT

The subject of Gynecology is presented in the fourth year in the form of didactic teaching, recitations, quizzes, clinics, conferences and laboratory and class room study of pathology of the pelvic organs.

REQUIRED COURSES—FOURTH YEAR

3. **Practice.**—Lectures, recitations, lantern slide demonstrations, exhibition of fresh and preserved pathological tissue and illustrations by means of charts and models. 1. *II.*

Professor BARRETT, Assistant Professor FISCHMANN, Dr. STONE

7. **Clinic.**—Cook County Hospital. One two-hour period. *I.*

Professor BARRETT

15-16. **Clinics.**—Dispensary. Students in small groups have opportunity to study cases in detail. Students are required to make examinations, study cases and write reports. In as far as the students' time permits, the dispensary cases will be followed through the operative course. In sections. 3 two-hour periods (*three weeks*). *II.*

Assistant Professor LANG, Assistant Professor FISCHMANN, Dr. STONE, Dr. JUHNKE, Dr. HOFFMAN.

OPTIONAL COURSES—FOURTH YEAR

1-X. **Course on Pelvic Histology and Microscopic Pathology.**

Dr. STONE

OPHTHALMOLOGY

EDWARD VAIL LAPHAM BROWN, B.S., M.D., *Professor and Head of the Department*
FRANCIS LANE, A.B., M.D., *Professor*
HARRY W. WOODRUFF, Ph.G., M.D., *Professor*
HARRY S. GRADLE, A.B., M.D., *Assistant Professor*
HALLARD BEARD, S.B., M.D., *Instructor*
WILLIAM FRANKLIN MONCREIFF, S.B., M.S., M.D., *Instructor*
MARGARET AMERTON HEATH, A.B., *Instructor*
LOUIS BOTHMAN, B.S., M.D., *Assistant*
BEULAH CUSHMAN, B.S., M.D., *Assistant*

REQUIRED COURSES—FOURTH YEAR

1. **Clinic and Practice.**—Dispensary, clinic and laboratory course. This includes 12 to 16 hours on the normal and pathological anatomy of the eye, 8 to 12 hours practice in the use of ophthalmoscope, perimeter, focal light and test charts. The balance of the 40 required hours are spent in the study of those eye diseases which the general practitioner most frequently encounters. The student is especially trained in the taking of histories of eye patients.

Professor BROWN, Dr. BEARD, Dr. MONCRIEFF, Dr. BOTHMAN, Dr. CUSHMAN

2. **Didactic Ophthalmology.**—Diseases of the eye. 1 two-hour period (*four weeks*). Assistant Professor GRADLE

OPTIONAL COURSES—FOURTH YEAR

3-X. **Surgery of the Eye.**—The more important eye operations. 4 two-hour periods. Illinois Charitable Eye and Ear Infirmary.

Professor WOODRUFF

OPTIONAL COURSE—FIFTH YEAR

4-X. **Ophthalmology.**

1. Methods of Clinical Examination (9-12 a.m. daily), 12 months.
2. Methods of Laboratory Examination (2-5 p.m. daily), 8 months.
3. Surgical work in the University Hospital (12-1 p.m. daily), 12 months.
4. Study of classical monographs and preparation of 25 case-histories for "The Board of Ophthalmic Examinations" (2-5 p.m. daily), 4 months.

Physicians' Extension Courses in Ophthalmology

5. Clinical Course.—Designed to train graduates for staff positions. The course affords individual training in standardized methods. The work is of a practical case-study nature.

A given method or process, such as retinoscopy or perimetry, is first explained and demonstrated. The physician is then assigned a case in which the data have been previously determined by the instructor. The physician makes an independent study and reports his findings to the instructor for criticism and grading. The process is continued until a reasonable degree of accuracy has been attained. Only one process is studied at a time. Processes taught are: I. Determination of Central Visual Acuity, Neutralization of Lenses, Retinoscopy, Refraction (with Cycloplegia and without), Tonometry, Determination of Degrees of Strabismus or Paralysis, Types of Discs (Elschnig's Classification). II. Measurement of Disc Levels, Perimetry, Objective Findings in External and Fundus Disease, Case-History Writing and Diagnosis, Prognosis and Treatment of a given case as a whole. This course extends over one year. The first four months' work covers the first seven processes, the second four months covers the next four and the third four months completes the course. Pathology is taken with undergraduate students. In the third period classical monographs are abstracted. Hours: 9 to 12 a.m., 6 days per week.

The Staff

The fee for each period of four months is $50.00.

2. Pathology of the Eye.—Four months. Hours to be arranged. *I.*

Professor Brown, Professor Lane

PATHOLOGY AND BACTERIOLOGY

David John Davis, B.S., M.D., Ph. D., *Professor and Head of the Department*

William F. Petersen, A.B., M.D., *Associate Professor*

John Weston Nuzum, B.S., M.D., *Associate*

Isador Pilot, B.S., M.D., *Instructor*

Francis Todd H'Doubler, B.A. M.A., Ph.D., M.D., *Instructor*

Samuel A. Levinson, B.S., M.S., M.D., *Instructor*

Frederick Pickoff, B.S., M.D., *Instructor*

Richard Hermann Jaffe, M.D., *Instructor*

Julius Brams, B.S., M.D., *Instructor*

Joseph Lepak, *Technician*

Stanley Moore, *Technician*

Required Courses—Second Year

11. General Bacteriology and Protozoology.—Pathogenic bacteria and protozoa. Immunity. Lectures, demonstrations; 3: laboratory; 2 three-hour periods. *I.*

Professor Davis, Dr. Pilot and assistants

Required Course—Second Year

18. General Pathology and Pathological Histology.—General Pathology; gross and microscopic study of fresh and preserved pathological material. Lectures, recitations, demonstrations; 4: laboratory; 5 two-hour periods. *I.*

Associate Professor Petersen, Dr. Levinson, Dr. Jaffe, Dr. H'Doubler

22. **Clinical Pathology.**—Microscopic, bacteriologic and chemical examination of blood, urine, sputum, faeces, stomach contents, exudates, etc. 2 two-hour periods. *I.* Dr. Pilot, Dr. Brams and assistants

Required Courses—Third Year

26. **Special Pathology and Autopsies.**—Gross and microscopic examination of organs, autopsies, post-mortem bacteriology and experimental pathology. Three two-hour periods. *I.*
Professor Davis, Dr. Pilot, Dr. Brams, Dr. H'Doubler

Optional Courses

50. **Advanced Work and Research in Bacteriology.**—Limited to properly qualified students. Professor Davis, Associate Professor Petersen

51. **Advanced Work in Special Diagnostic Laboratory Methods.**—Limited to a few qualified students. Dr. Pilot

55. **Diagnosis of Tumors.**—Open to students who have had courses in general and special pathology. *I.* Associate Professor Petersen, Dr. Jaffe

Courses for Graduates

101. **Advanced Pathogenesis.**—Pathology and Bacteriology. *One or two units.* Professor Davis, Professor Petersen

105. **Individual Research.**—*One or two units.*
Professor Davis, Professor Petersen

PHARMACOLOGY, MATERIA MEDICA AND THERAPEUTICS

Hugh Alister McGuigan, B.S., Ph.D., M.D., *Professor and Head of the Department*
Leon Francis Shackell, B.S., M.D., *Associate*
Clyde Mason Snow, Ph.G., *Instructor*
Seymour J. Cohen, B.S., M.S., M.D., *Instructor*
Harold Norris Ets, B.S., *Assistant*
Glen Amos Brough, B.S., *Assistant*
John E. Nilson, *Demonstrator*
Harry Joseph Schleck, *Technician*

Required Courses—Second Year

8. **Pharmacology.**—Lectures and recitations; 3: laboratory; one three-hour period. *I.*
Professor McGuigan, Dr. Shackell and assistants

10. **Pharmacy and Materia Medica.**—Lectures and recitations: 1: demonstrations and laboratory; 2. *II.*
Professor McGuigan, Mr. Snow and assistants

12. **Pharmacology and Toxicology.**—Lectures and recitations; 2: laboratory; 2. *II.*
Professor McGuigan, Dr. Shackell and assistants

Required Course—Third Year

20. **General Therapeutics.**—2. *I.* Professor McGuigan, Mr. Nilson

OPTIONAL COURSE

Research.—The laboratory is open at all times for those qualified to engage in research work. Professor McGUIGAN

COURSES FOR GRADUATES

101. Advanced Pharmacodynamics.—Laboratory work.—*One or two units.* Professor McGUIGAN

103. Research Work in Pharmacodynamics.—*One or two units.*
Professor McGUIGAN

PHYSIOLOGY AND PHYSIOLOGICAL CHEMISTRY

GEORGE PETER DREYER, A.B., Ph.D., *Professor and Head of the Department*
WILLIAM HENRY WELKER, A.C., Ph.D., *Professor of Physiological Chemistry*
GROVER TRACY, A.B., *Associate in Physiological Chemistry*
PAUL GERHARD ALBRECHT, B.S., Ph.D., *Associate in Physiological Chemistry*
LEON ASHER, *Lecturer in Physiology*
JAMES TOBIAS GROOT, S.B., B.S., *Instructor in Physiology*
LUCIA ELIZABETH TOWER, S.B., *Instructor in Physiology*
THOMAS PATRICIAN HUGHES, B.S., M.S., *Instructor in Physiological Chemistry*
JESSE LOUIS BOLLMAN, A.B., M.S., *Assistant in Physiological Chemistry*
HOWARD LARUE MARSH, B.S., M.S., *Assistant in Physiological Chemistry*
CLARENCE CHARLES SAELHOF, B.S., M.S., M.D., *Assistant in Physiological Chemistry*
SAMUEL A. HANSEN, *Technician in Physiology*
EDWARD JOHN McCORMACK, *Technician in Chemistry*
GUSTAV TOBIE, *Assistant Technician in Chemistry*

GENERAL STATEMENT

This course in physiology is articulated with the other subjects in the curriculum to secure the maximal degree of correlation and duly emphasizes the laboratory work. The standard equipment, as ordinarily provided for the fundamental experiments of the science, is supplemented by special apparatus for the study of clinical problems relating to circulation, respiration, vision and the nervous system.

The laboratory exercises are selected not only to illustrate and to vitalize the subject-matter of the didactic course, but also to supply useful technical training and to develop interest in the methods and problems of original investigation. Facilities and equipment are available for those who desire to take advanced work or engage in research.

For the work in chemistry, two laboratories are equipped for routine instruction and one for original work. Additional rooms for the preparation of class work and for metabolism experiments are connected with these laboratories. For the use of advanced students and investigators the nucleus of a chemical library, embracing the principal works of reference, is kept in the laboratory. The main library contains complete files of the more important journals of biochemistry.

REQUIRED COURSE—FIRST YEAR

20. Physiology.—Blood and lymph, muscle and nerve, circulation, respiration, secretion and digestion. Lectures and recitations, 3; demonstration and laboratory; 2 four-hour periods. *I.*

Professor DREYER, Mr. GROOT, Miss TOWER and assistants

27. Physiological Chemistry and Toxicology.—Lectures, demonstrations, conferences, 3; laboratory, 8 hours. *I.*

Professor WELKER, Mr. MARSH, Dr. SAELHOF and assistants

REQUIRED COURSE—SECOND YEAR

29. Physiology.—Metabolism; special senses; central nervous system. Lectures, recitations, demonstrations, 3; laboratory, 1 two-hour period. *I.*

Professor DREYER, Mr. GROOT, Miss TOWER and assistants

OPTIONAL COURSES

51. Advanced Laboratory Work—Physiological demonstration and research; graphic methods. Professor DRYER, Mr. GROOT

53. Quantitative Metabolic Methods.—6. *I.*

Professor WELKER, Mr. TRACY, Mr. HUGHES

55. Nutrition.—Study of the effect of different diets on animal and man. 6. *I.* Professor WELKER, Mr. MARSH

Research.—The laboratories are open to persons with the requisite scientific training for the conduct of original investigations under the direction of the members of the staff.

63-64. Seminar.—The members of the teaching staff and all advanced workers in the department meet weekly to discuss results of recent researches in physiology and biological chemistry.

Prerequisites for optional courses: In physiology, courses 20 and 29, and in chemistry, course 27.

COURSES FOR GRADUATES

103. Advanced Biological Chemistry.—Biochemical methods of research; biological colloids; enzyme action; metabolism. *One or two units.*

Professor WELKER

107. Biochemical Research.—*One or two units.*

Professor WELKER

SURGERY

CHARLES DAVISON, A.M., M.D., *Professor and Head of the Department*

DIVISION OF GENERAL SURGERY

CHARLES DAVIDSON, A.M., M.D., *Professor*
ALBERT JOHN OCHSNER, B.S., M.D., LL.D., *Professor*
ALBERT EDWARD HALSTEAD, M.D., *Professor*
WILLIAM MCINTYRE HARSHA, A.B., M.D., *Professor*
CHARLES EDWARD HUMISTON, M.D., Sc.D., *Professor*
NELSON MORTIMER PERCY, M.D., *Professor*
GEORGE FARNSWORTH THOMPSON, B.S., M.D., *Associate Professor*
KARL ALBERT MEYER, M.D., *Associate Professor*
FREDERICK GEORGE DYAS, M.D. *Associate Professor*
HENRY BASCOM THOMAS, B.S., M.D., *Associate Professor of Orthopedic Surgery*
CHARLES MORGAN MCKENNA, B.S., M.D., *Associate Professor of Genito-Urinary Surgery*
CASSIUS CLAY ROGERS, A.M., M.D., *Associate Professor*
JOHN ROSS HARGER, B.S., M.D., *Assistant Professor*
CHARLES HERBERT PHIFER, M.D., *Assistant Professor*
BENJAMIN FRANKLIN LOUNSBURY, B.L., M.D., *Assistant Professor of Operative Surgery*
HARRY CULVER, M.S., M.D., *Assistant Professor of Genito-Urinary Surgery*
RAYMOND WILLIAM MCNEALY, M.D., *Assistant Professor*
GEORGE LUTHER DAVENPORT, M.D., *Assistant Professor*
ARRIE BAMBERGER, B.S., M.D., *Associate*
OSCAR EUGENE NADEAU, B.S., M.D., *Associate in Surgical Pathology*
HENRY LESTER BAKER, M.D., *Associate*
GEORGE WASHINGTON POST, B.S., A.M., M.D., *Associate*
RALPH CHARLES SULLIVAN, A.M., M.D., *Associate*
MAX MEYEROVITZ, M.D., *Instructor*
LYNDON HARRIS, M.D., *Instructor*
FREDERICK CHRISTOPHER, B.S., M.D., *Assistant*
VIRGIL SHEETS COUNSELLOR, B.S., M.D., *Assistant*
GILBERT PALMER POND, B.S., M.D., *Assistant*
JOHN FISHER GAINER, B.S., M.D., *Assistant*
FRANCIS TODD H'DOUBLER, A.M., Ph.D., M.D., *Assistant*
RALPH AUGUST KORDENAT, B.S., M.S., M.D., *Assistant*
KARL LEROY VEHE, B.S. M.D., *Assistant*
DORRIN FRED RUDNICK, B.S., M.D., *Assistant*
GEORGE SHAYNIN LIVINGSTON, B.S., M.S., *Assistant*
ADOLPH KRAFT, B.S., M.S., M.D., *Assistant*
FRED RUSH THOMPSON, B.S., M.D., *Assistant*
JOHN FISHER GAINER, B.S., M.D., *Assistant*

REQUIRED COURSES—THIRD YEAR

3-4. Practice.—Surgery and surgical pathology. Conferences, recitations. In sections. *2. II.*

Assistant Professor PHIFER, Dr. POST, Dr. BAMBERGER, Dr. SULLIVAN

7-8. Clinic.—Dispensary. Diagnosis, bandaging, surgical dressings and appliances. Three two-hour periods (*three weeks*). *II.*
Assistant Professor HARGER, Dr. BAMBERGER, Dr. POST, Dr. HARRIS, Dr. POND, Dr. KORDENAT, Dr. KRAFT.

9. Clinic.—Cook County Hospital. 1 two-hour period. *I.*
Assistant Professor MCNEALY

10. Clinic.—Cook County Hospital. 1 two-hour period. *I.*
Associate Professor THOMPSON

11. Clinic.—Cook County Hospital. 1 two-hour period. *I.*
Associate Professor DYAS

12. Clinic.—Cook County Hospital. 1 two-hour period. *I.*
Assistant Professor DAVENPORT

19.—Anesthetics.—Practical demonstrations to individual students in the administration of anesthetics at Cook County Hospital.
Associate Professor MEYER

OPTIONAL COURSES—THIRD YEAR

1-X. Anesthetics, Surgical Dressings and Bandaging.—Individual instruction and demonstration of the application of surgical dressings. 1. *I.*
Dr. BAKER

2-X. Surgical Diagnosis.—1. *I.* Assistant Professor MCNEALY

3-X. Principles of Surgery.—A review course. 1. *I.*
Associate Professor MEYER, Dr. FORD, Dr. GAINER

4-X. Special Fractures.—Lectures, recitations, conferences. 1. *I.*
Assistant Professor DAVENPORT

5-X. Operative Surgery of the Abdomen on Animals.—1. *I.*
Dr. GRAHAM, Dr. BRAUDE

6-X. Preoperative and Postoperative Treatment.—1. *I.* Dr. NADEAU

REQUIRED COURSES—FOURTH YEAR

29. Clinic.—University Hospital. 1 two-hour period. *I.*
Professor DAVIDSON, Dr. MEYEROVITZ

31. Clinic.—St. Mary's Hospital. 1 two-hour period. *I.*
Professor PERCY

32. Clinic.—Augustana Hospital. 1 two-hour period. *I.*
Professor OCHSNER

33. Clinic.—St. Luke's Hospital. 1 two-hour period. *I.*
Professor HALSTEAD, Professor HARSHA

34. Clinic.—Cook County Hospital. 1 two-hour period. *I.*
Associate Professor THOMPSON

35. Clinic.—Cook County Hospital. 1 two-hour period. *I.*
Assistant Professor MCNEALY

36. Clinic.—Cook County Hospital. 1 two-hour period. *I.*
Assistant Professor DAVENPORT

37-a. Clinic.—Cook County Hospital. Bedside conference in surgical diagnosis. 1. *I.* Associate Professor MEYER

37-b. Clinic.—Cook County Hospital. Individual Bedside Instruction in Surgical Diagnosis. Record writing, symptoms, physical examination, roentgenogram interpretation, laboratory examination of materials from the patients secured in the ward, operating room, or morgue. One two-hour period. *I.*
Professor DAVISON

41.—Surgical Pathology.—Laboratory. In sections. One two-hour period (*eight weeks*). Dr. NADEAU

43-44. Surgical Seminar.—Work done in co-operation with the departments of medicine and obstetrics. For this work the student receives 48 hours credit, 16 in each department, although the work is done in one department only. The purpose is to give the student a working knowledge of the medical literature and to acquaint him with the methods of looking up the work which has been done on any special subject. During the first semester the groups will meet only informally and abstracts will be prepared and submitted for criticism. During the second semester, each group will be assigned one hour in which to present its work before the entire class.

Assistant Professor HARGER, Dr. COUNSELLOR

OPTIONAL COURSES—FOURTH YEAR

6-X. **Surgery of the Abdomen (Course I).**—Lectures, conferences, recitations. 1. *I.* Associate Professor THOMPSON

7-X. **Surgical Tuberculosis.**—Lectures, conferences, recitations. 1. *I.* Associate Professor THOMAS

8-X. **Regional Surgery.**—A review course. 1. *I. Pre-requisite:* 3-X. Associate Professor MEYER, Dr. GAINER

9-X. **Surgery of the Brain and Spinal Cord.**—Lectures, conferences, recitations. 1. *I.* Associate Professor ROGERS

10-X. **Surgery of the Thorax.**—Lectures, conferences, recitations, 1. *I.* Professor DYAS

11-X. **Surgical Diseases of the Kidneys.—1.** *I.* Assistant Professor CULVER

12-X. **Surgery of the Abdomen (Course II).**—Lectures, conferences, recitations. 1. *I.* Professor HUMISTON

13-X. **Surgical Clinic (at Washington Boulevard Hospital).**—1. *I.* Assistant Professor LOUNSBURY

DIVISION OF ORTHOPEDIC SURGERY

HENNY BASCOM THOMAS, B.S., M.D., *Associate Professor*
JOHN PERLEY SPRAGUE, A.B., M.D., *Associate*
MARCUS HATFIELD HOBART, A.B., M.D., *Associate*
THOMAS JOHN SULLIVAN, JR., M.D., *Instructor*
DENNIS RIDER WOOD CRILE, B.S., M.D., *Instructor*
FRANK GEORGE MURPHY, B.S., M.D., *Instructor*
WALTER RATHFON FISCHER, B.S., M.D., *Assistant*

REQUIRED COURSES—THIRD YEAR

3. **Practice.**—Conferences, recitations. In sections. 1. *I.*
Associate Professor THOMAS, Dr. SPRAGUE, Dr. SULLIVAN, Dr. CRILE, Dr. MURPHY.

7. **Clinic.—St. Luke's Hospital.** 1. *I.* Associate Professor THOMAS

8. **Clinic.**—St. Mary's Hospital. 1. *I.* Dr. CRILE

9. **Clinic.**—University Hospital. 1. *I.* Dr. SPRAGUE

15-16. Clinic.—Dispensary. In sections. Three two-hour periods (*three weeks*). *II.*

Associate Professor THOMAS, Dr. HOBART, Dr. SULLIVAN, Dr. SPRAGUE

DIVISION OF GENITO-URINARY SURGERY

Charles Morgan MeKenna, B.S., M.D., *Associate Professor*
Harry Culver, M.S., M.D., *Assistant Professor*
Harry Jerome Smejkal, M.D., *Instructor*
Russell Dorr Herrold, B.S., M.D., *Instructor*
Vincent John O'Conor, B.S., M.D., *Instructor*
Theodore Ross VanPelt, B.S., M.D., *Assistant*

Required Courses—Third Year

3. **Practice.**—Conferences, recitations. In sections. 1. *I.*
Associate Professor McKenna, Assistant Professor Culver, Dr. Herrold, Dr. O'Conor

7-8. **Clinic.**—Dispensary. In sections. Three two-hour periods *(three weeks). II.* Associate Professor McKenna, Dr. Smejkal, Dr. Van Pelt

Required Courses—Fourth Year

11. **Clinic.**—Cook County Hospital. Individual instruction in the diagnosis of genito-urinary diseases, including cystoscopy, catherization of the ureters, interpretation of roentgenograms and of chemical and microscopical urinalyses. In sections. 2 two-hour periods (*three weeks*).
Assistant Professor Culver

14.—**Clinic.**—St. Joseph's Hospital. In sections. 1 two-hour period. *I.* (*eight weeks*). Associate Professor McKenna

DIVISION OF OPERATIVE SURGERY

Benjamin Franklin Lounsbury, B.L., M.D., *Assistant Professor*
Archie James Graham, B.S., M.D., *Instructor*
Arthur R. Metz, A.B., M.D., *Instructor*
Irving Robert Browning, B.S., M.D., *Assistant*
Benjamin Braude, M.S., M.D., *Assistant*
Howard Leslie Mawdsley, B.A., M.D., *Assistant*

Required Course—Second Year

3. **Operative Surgery.**—Regional surgical anatomy. Individual operations on the cadaver and on animals. In small sections. One two-hour period. *I.*
Assistant Professor Lounsbury, Dr. Metz, Dr. Browning, Dr. Mawdsley

PROVISIONAL SUMMARY OF HOURS

FIRST YEAR

Subjects	First Semester		Second Semester		Total
	Didactic	Laboratory	Didactic	Laboratory	
ANATOMY:					
Gross	32	112	32	112	288
Microscopic	32	160	32	64	288
CHEMISTRY:					
Physiological	48	132	...	...	180
PHYSIOLOGY	...	...	80	96	176
	112	404	144	272	932

SECOND YEAR

Subjects	First Semester		Second Semester		Total
	Didactic	Laboratory	Didactic	Laboratory	
ANATOMY:					
Topographical	32	80	..	..	112
Bacteriology	32	96	..	..	128
Pharmacology and Pharmacy	48	48	32	80	208
Pathology	..	..	48	128	176
Physical Diagnosis	..	..	16	32	48
Physiology	48	32	..	..	80
Surgery (Operative)	..	..	..	32	32
Electives	..	..	96	..	96
	144	272	192	272	880

PROVISIONAL SUMMARY OF HOURS—Continued

THIRD YEAR

Subjects	First Semester			Second Semester			Total
	Didactic	Clinical & Laboratory	Dispensary	Didactic	Clinical & Laboratory	Dispensary	
Autopsies	..	..	..	..	32	..	32
Oto-Laryngology	16	16	9	10	..	9	60
Internal Medicine	64	48	18	64	32	18	244
Medical Jurisprudence	..	..	..	16	..	..	16
Hygiene	..	..	..	32	..	..	32
Pathology	..	..	..	16	48	..	64
Pediatrics	16	8	..	16	8	..	48
Pharmacology and Therapeutics	32	..	..	..	..	..	32
Obstetrics	48	..	..	..	12	..	60
General Surgery	32	32	18	32	36	18	168
Orthopedic Surgery	..	32	18	16	..	18	84
Clinical Pathology	..	64	..	..	..	..	64
Genito-Urinary Surgery	16	..	18	..	..	18	52
Electives	16	..	..	16	..	..	32
	240	200	81	218	168	81	988

PROVISIONAL SUMMARY OF HOURS—Continued

FOURTH YEAR

Subjects	First Semester			Second Semester			Total
	Di-dactic	Clinical & Lab-oratory	Dis-pensary	Di-dactic	Clinical & Lab-oratory	Dis-pensary	
Dermatology	16	16	9	16	..	9	66
Genito-Urinary Surgery	..	20	..	..	..	..	20
Gynecology	16	32	18	16	..	18	100
Hygiene	..	..	..	..	24	..	24
Medicine	64	42	..	48	42	..	196
Neurology	..	48	..	..	48	..	96
Obstetrics	48	32	..	..	24	..	104
Ophthalmology	..	32	..	..	32	..	64
Pediatrics	..	40	..	..	40	..	80
Psychiatry	..	..	..	..	24	..	24
Roentgenology	..	..	..	..	4	..	4
General Surgery	16	86	..	32	86	..	220
Surgical Pathology	..	..	..	..	16	..	16
Electives	48	..	..	48	..	..	96
	208	348	27	160	340	27	1110

First year	932
Second year	880
Third year	988
Fourth year	1110
Total	3910

COLLEGE ORGANIZATIONS

THE YOUNG MEN'S CHRISTIAN ASSOCIATION

The Association at the College of Medicine is a branch of the Young Men's Christian Association of Chicago. The secretary, Lucius C. Hollister, maintains his headquarters immediately adjacent to the College of Medicine. He has charge of the Employment Bureau, Room Register, Student Information Bureau and the social and religious activities of the student body.

The aim of the Association is service. It purposes to provide opportunity for the developmentt of a varied program of service which will make for the attainment of the best in the individual and in the student body. The various activities are promoted by the cabinet—a group of student committees especiaally qualified for such service. The committees perform a special service through the employment bureau which is maintained to help those students who have to work their way through college.

YOUNG WOMEN'S CHRISTIAN ASSOCIATION

The Women Medical Students' Christian League, affiliated with the National Y. W. C. A. holds frequent luncheons throughout the year at which outside speakers are entertained. One Sunday a month, the women of the various medical colleges meet in an inspirational and social meeting at some home.

ALUMNI ASSOCIATION OF THE COLLEGE OF MEDICINE OF THE UNIVERSITY OF ILLINOIS

President—John M. Krasa, '13, 439 Washington Boulevard, Oak Park, Ill.

President-Elect—P. B. Conant, '02, Roseville, Ill.

First Vice-President—R. Z. Sanders, '11, Decatur, Ill.

Second Vice-President—W. J. Cremin, '06, Davidson Block, Sioux City, Ia.

Third Vice-President—M. M. Grove, '05, Dell Rapids, So. Dak.

Secretary-Treasurer—Marshall Davison, '19, University Hospital, Chicago, Ill.

Delegate to Alumni Council—R. W. Morris, '02, 4363 Greenwood Avenue, Chicago, Ill.

Member of Executive Committee—H. O. Shafer, '02, Rochester, Ind.

Necrologist—M. Robert Weidner, '83, Dalton, Ill.

ALPHA OMEGA ALPHA

Alpha Omega Alpha, an international honorary medical fraternity, with chapters in twenty-four "Class A" medical schools, was founded in the College of Medicine, in 1902.

Third and fourth year medical students who have a grade of scholarship ranking them in the upper one-sixth of their class are eligible for membership.

GROUP II, CLASS 1923

Julius Adler
Joseph Greengard
Jacob Klein
Evelyn Owens Nielson
Chauncey Carter Maher
Cordelle Atherton Wood

GROUP I, CLASS 1924

Alvin Stewart Thurston, President
Harry Clinton Bigglestone, Vice-President
Glen Amos Brough, Secretary-Treasurer
Jacob Morton Mora

MEDICAL RESEARCH CLUB

The Medical Research Club, the object of which is the stimulation of scientific research, meets once a month for the discussion of original scientific contributions. Since its organization in November, 1913, many papers have been presented before the society. The spirit of generous competition and helpful criticism that prevails in this club has been a stimulus toward the production of an increasing number of valuable scientific contributions.

Graduate students and others giving promise of doing meritorious work are eligible to associate membership. Associate members have all the rights and privileges of the club except the right to vote.

PAPERS READ BEFORE THE MEDICAL RESEARCH CLUB OF THE UNIVERSITY OF ILLINOIS

1922—1923

Studies in the Possible Causes of Congenital Cystic Kidney, Dr. Otto F. Kampmeier.

Actinomycosis in a Fossil Rhinoceros, Dr. Roy L. Moodie.

Further Experiments with the Kottman Reaction, Drs. W. F. Petersen and S. A. Levinson.

Studies on the "Chemical Secretion" of Gastric Juice, Dr. Ivy.

The Widal Hemoclastic Crisis, Dr. Saelhof.

Effect of Eck-Fistula on Sugar Metabolism, Dr. Matthews.

The Mechanism of Immunity of Frog against Experimental Injection with Staphylococcus aureus, Dr. Pickoff.

Studies in Endothelial Permeability: I, Methods; II, The Effect of Adrenalin; III, Anaphylactic Shock, Drs. Petersen and Levinson.

Studies in Protoplasm Poisoning: I, Phenols, Dr. Shackell.

Studies in Endothelial Permeability: IV, The Effect of Intraportal Blockade on the Lymph Composition; V, "Endothelial Blockade" and its effect on the Lymph Composition in Anaphylactic Shock, Drs. Petersen, Jaffe, Levinson and Hughes.

Placentation, Dr. Oskar Frankl (Professor of Gynecological Pathology in the University of Vienna).

Vascular Changes in the Contracted Kidney, Dr. Jaffe.

Etiology of Erosive and Gangrenous Balinitis, Drs. Brams and Pilot.

Fractionation of Rattlesnake Venom, Dr. Welker.

Cytological Studies on Blood. 1. Cytoplasmic Segmentation, Dr. Emmel.

Abnormal Pigmentation and the Color of the Skin, Dr. Strong.

Chemical Changes of the Blood under the Influence of Drugs, Mr. Ets.

Toxicity of Novocaine, Mr. Brough.

The Nature of Heat Coagulation of Proteins, Mr. Bollman.

The Rôle of the Intestine in Hunger, Drs. Ivy and Vloedman.

DEGREES CONFERRED

FIFTH YEAR CLASS

Session of 1922-1923

DEGREE OF DOCTOR OF MEDICINE

Irwin Gabriel Spiesman, B.S., September 1, 1922.
Frank Stewart, A.B., September 3, 1922.
Paul Jones Bronson, B.S., October 1, 1922.
Theodore Ross VanPelt, B.S., October 1, 1922.
Sofronio C. Zulaybar, October 7, 1922.
Leonard Louis Charpier, B.S., November 1, 1922.
Milton Boyce Hebeisen, December 1, 1922.

Conferred January 1, 1923, in Chicago

Philip L. Aries, B.S.
William Harcourt Browne, B.S.
Neal Dow Crawford, B.S.
Walter J. R. Heinekamp, B.S., M.S.
Roger Edmund Pinkerton, BS.
Maurice J. Rosenberg, B.S.
Dorrin Fred Rudnick, B.S.
Paul White Rush, B.S.
Irving Joseph Shapiro, B.S.
Alfred Stanley Traisman, B.S.

Conferred June 11, 1923, in Chicago

Bayard Melvin Bailey, B.S.
Julius Ernest Fleischner, B.S.
Paul Burns Monroe, B.S.
Mannie Arnold Polk, B.S.
Evsay Prilla, B.S.
Manfred Ullman Prescott, B.S.
James Hirst Rutledge, B.S.

Conferred July 1, 1923, in Chicago

Sam Abrahams, B.S.
Simeon Leo Berman, B.S.
Coleman Alex Block, B.S.
Arthur Reuben Bloom, B.S.
*Albert Jay Boner, B.S.
William Burst, B.S.
Jay Reed Dewey, B.S.
Ruby Marie Donaly Faxon
Glen Wesley Doolen, B.S.
Isadore Abraham Drues, B.S.
Persis Elfeld, B.S.
Donald Eugene Faxon, B.S.
Clarence Orville Hughes, B.S.
Raymond Julian Josewski
George Shaynin Livingston, B.S., M.S.
Saul Hyman Maizus, B.S.
Robert Meyer Mandel, B.S.
Edward Lincoln Masterton, B.S.
William Henry Myers, B.S.
Lillian Bendeke Parson, A.B.
Herman J. Pilka, B.S.
Guy Victor Pontius, B.S.
Ben Zion Rappaport, B.S.
Tobias Resnik, B.S.
Marcus Bernarr Cirlin
Henry Harry Rubin, B.S.
Annie Thompson Smith, A.B., A.M.
Samuel Tolpin, B.S.
Ward Huston Ventress, B.S.
David Arthur Welensky, B.S.
Nathan S. Zeitlin, B.S.

Conferred August 15, 1923, in Chicago

Joseph Goldberg, B.S.
Carl Leonard Mulfinger, B.A., B.S.
George Cleveland Shelton, B.S.

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*Conferred July 15, 1923, in Chicago.

THE DEGREE OF BACHELOR OF SCIENCE

Conferred December 15, 1922, in Chicago

Hyman Nathanson Brown
Clyde Kenneth Conrad
Hugo O. Deuss
Abraham Ettleson
Jacob Fischer
Milton B. Gevirtz
Leo G. Glickman
Russell Goebel
Ivan Gilbert
*Jesse Louis Bollman, A.B., M.S.
Brooke Horsky
Russel Johnson
Neal McLean Leitch
Morris S. Jerkowsky
Jesse P. Rogers
David Schinberg
Elizabeth Schirmer
Carl J. Uthoff
Hyman Israel Vener

Conferred June 9, 1923, in Chicago

Ray Conway Armstrong
Grant Vahan Athanas
Reuben Bard
Howard Harvey Bass
John Benjamin Batko
Bengt Norman Bengtson
Charles John Besta
Walter Putnam Blount
Louis N. Boelio
Robert Emerson Bond
Kenneth Charles Brandenburg
Lewis Rawlings Brewer
Walter Frederick Briney
Nora Florence Brodboll
Stuart Cameron
William Dayton Carrell
Marie Louis Connelly, A.B.
Claude Lorraine Davison
Morris Michael Deitchman
Robert James Douglas
Robert William Edwards
William Gibson Elliott
Carl James Emmerling
Herbert Harter Engelhard
Casper Morey Epstein
Fred Snider Etherton
Stanley Charles William Fahlstrom
John Edward Fairchild
Enid Fillingham, A.B.
Clarence Elbert Flack
Carl Hermann Gellenthien
Lafayette Abbott Hedges
Lewis Rowland Hill, B.S., M.S.
Homer Wheeler Humiston
Richard Frank Inman, Jr.
Reinhold Enoch Johnson
Earnest Eugene Jones
Hyman Kaminsky
George Manuel Katzman
Douglas Sheldon Kellogg
Bernard Samuel Kleinman
William Lloyd Kenny
Samuel Kuner
Apolonio Fermin Montezon y Labada
Roy Merl Ledford
Benjamin Levy
Luther Mohler Lorance
Howard LaRue Marsh, B.S., M.S.
Leo Maslow
Alonzo Maceo Mercer
Raymond John Meyer
Solomon Meyerson
Clayton O. Miller
Herman Louis Mishkin
Truman Jacob Mohr
George William Moxon
Donald Maxwell MacCornack
John Charles McMillan, Jr.
Julius B. Novak
Otto Bohumil Pavlin
Otto Victor Pawlisch
Oliver Conrad Pfeifer
John Leo Pieczynski
Oscar Richter
Arthur Joe Rissinger
Harold H. Rosenbloom
Lawrence Donat Ryan
Juan Cuyugan Santos, B.S.
Jesse Casstevens Sculley
Leon Stanley Shalla

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*Conferred February 13, 1923, in Chicago.

Max Shifrin
William Gooding Shurtz
Allan Erwin Stamler
Clifford Earle Steckbeauer
Lars Eric Theodore Steinert
Floyd Hough Steinman
Harry Hart Stephens
Sol Ascher Sugar
Roy Thomas Sugars
David Marnndel Wong

CERTIFICATE PRESENTED JUNE 9, 1923, IN CHICAGO

Students who have completed four years of work in the College of Medicine and who upon the completion of a year of satisfactory interneship in a hospital approved by the University will be entitled to the Degree of Doctor of Medicine.

Julius Adler, B.S.
Maurice Albach, B.S.
Paul Gerhard Albrecht, B.S., Ph.D.
Ernest Alcivar, B.S.
Henry Rex Amberson, A.B.
Carl Apple, B.S.
Eugene Lester Baker, B.S.
George John Baumgartner, B.S.
Hyrum Earl Belnap, B.S.
Jesse Louis Bollman, A.B., B.S., M.S.
Amos Presily Bratrude, B.S.
William Mitchell Byers, B.S.
Robert Paul Caron, B.S.
*Marcus Benrarr Cirlin
Claude Malcolm Cochran, A.B., B.S.
William Curtis
Clement de Freitas, B.S.
Robert Dessent, B.S.
Howard Milton Edwards, B.S.
†Louis Edidin
David Epstein, B.S.
Louis Feldman, B.S.
Liborio Figueroa, B.S.
Walter Charles Frenzel, B.S.
Charles Weer Goff, B.S.
Marcus Goodwin, B.S.
Joseph Greengard, B.S.
James Tobias Groot, S.B., B.S.
Shirley Louis Hadden, B.S.
James Pendleton Hahn, B.S.
Earle Hopkins Hall, B.S.
Richard August Harris, B.S.
James Howard Hoskins, B.S.
Stanley John Imbiorski, B.S.
Stanley Florin Janicki, B.S.
Harvey Chester Johnson, B.S.
Jeanette Jongewaard
Morris Lewis Karbeling, B.S.
Isaac Karlin, B.S.
Edward Joseph Kelly
Jacob Elias Klein, B.S.
Alfred Kobak, B.S.
Ferdinand Richard Krembs, B.S.
Apolonio Fermin Montezon y Labada, B.S.
Nathaniel Benjamin Lans, B.S.
Elmer Arnold Lansche, B.S.
Harold Walter Lenit
Benjamin Mordecai Levin, B.S.
Louis Litton, B.S.
Gerhard William Lorfeld, B.S.
John William Lowe, B.S.
Frank Blackburn Lucas, B.S.
Clark Russell William Magill, B.S.
Chauncey Carter Maher, B.S.
Ben Jack Malnekoff
William Alfred Mann, Jr. B.S.
Morton Joseph Mills, B.S.
Cornetta Grothaus-Moen
Floyd Lawrence McGrath, B.S.
Azor Victor Nasatir, B.S.
Melvin Max Newman, B.S.
Johannes M. Nielsen, B.S.
Evelyn Owens Nielsen, B.S.
Harrison Morton Pierce, B.S.
Gaudencio Eulalio Pi-it, A.B., B.S.
Dwight Coleman Reeves, B.S.
Theodore Ferdinand Reuther, B.S.
Arthur Joe Rissinger, B.S.
Thomas Paine Saltiel, B.S.
Bernard Sayre
William Schecter, B.S.
‡Leah Sinai
Arthur M. Skarperud, B.A.
Joseph Clarence Sodaro, B.S.
Richard Boothby Stoops, B.S., A.B.,
Paul Webster Tranter
Glenn Joseph Tygett, B.S.
Samuel Alexander Vogel, B.S.
John Trimmer Wead, B.S.

Henry George Wehringer, B.S.
Cordelle Atherton Wood, B.S.
Marie Wessels, A.B., B.S.
Mohammed Abbass Yahya, B.S.

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*Presented on July 1, 1922, in Chicago.

†Presented on September 1, 1922, in Chicago.

‡Presented on October 1, 1922, in Chicago.

REGISTER OF STUDENTS

Session 1923-1924

FIFTH YEAR CLASS

Augustana Hospital Chicago, Illinois.	Harry Oliver Maryan
Battle Creek Sanitarium Battle Creek, Michigan.	Harrison Morton Pierce
Buffalo City Hospital Buffalo, N. Y.	Gerhard William Lorfeld Samuel Alexander Vogel
Butterworth Hospital Grand Rapids, Michigan.	Cornetta Grothaus-Moen
Charity Hospital New Orleans, La.	Theodore Ferdinand Reuther
Cleveland City Hospital Cleveland, Ohio.	Paul Gerhard Albrecht
Cook County Hospital Chicago, Illinois.	Julius Adler Carl Apple Eugene Lester Baker Louis Feldman Marcus Goodwin Joseph Greengard Shirley Louis Hadden Chauncey Carter Maher Ben Jack Malnekoff William Schecter
Evanston Hospital Evanston, Illinois.	William Alfred Mann, Jr.
Grant Hospital Chicago, Illinois.	Hyrum Earle Belnap Richard August Harris Harvey Chester Johnson Nathaniel Benjamin Lans Harold Walter Lenit John William Lowe Thomas Paine Saltiel
Greenpoint Hospital Brooklyn, New York.	Isaac Karlin
King's County Hospital Brooklyn, N. Y.	Charles Weer Goff
Los Angeles General Hospital Los Angeles, California.	William Mitchel Byers Azor Victor Nasatir Evelyn Owens Nielsen Johannes M. Nielsen Henry George Wehringer John Trimmer Wead Marie Wessels
Lutheran Deaconess Hospital Chicago, Illinois.	Maurice Albach
Mayo Foundation Rochester, Minnesota.	Jesse Louis Bollman

Michael Reese Hospital Chicago, Illinois.	Robert Dessent David Epstein Jacob Klein
Mt. Sinai Hospital Chicago, Illinois.	Morris Karbelnig Louis Litton Bernard Sayre
Oak Park Hospital Oak Park, Illinois.	Dwight Coleman Reeves George John Baumgartner
Seattle City Hospital Seattle, Washington.	Arthur M. Skarperud
St. Anthony de Padua Hospital Chicago, Illinois.	Walter Charles Frenzel Cordelle Atherton Wood
St. Elizabeth's Hospital Chicago, Illinois.	Howard Milton Edwards Liborio Figueroa James Howard Hoskins Benjamin Mordecai Levin Melvin Max Newman Gaudencio Eulalio Pi-it
St. Elizabeth's Hospital Youngstown, Ohio.	Mohammed Abbass Yahya
St. Francis Hospital Evanston, Illinois.	Floyd Lawrence McGrath
St. Joseph's Hospital Chicago, Illinois.	Edward Joseph Kelly Ferdinand Richard Krembs Stanley John Imbiorski
St. Bernard's Hospital Chicago, Illinois.	Ernest Alcivar
St. Louis City Hospital St. Louis, Missouri.	Elmer Arnold Lansche Glen Joseph Tygett
St. Luke's Hospital Chicago, Illinois.	Robert Paul Caron Earle Hopkins Hall Arthur Joe Rissinger Richard Boothby Stoops
University Hospital Chicago, Illinois.	Henry Rex Amberson James Pendleton Hahn Clark Russell William Magill
Union Hospital Fall River, Massachusetts.	Claude Malcolm Cochran
Washington Park Hospital Chicago, Illinois.	William Curtis
West Side Hospital Chicago, Illinois.	James Tobias Groot Frank Blackburn Lucas Joseph Clarence Sodaro Paul Webster Tranter Amos Bratrude Stanley Florin Janicki
West Suburban Hospital Oak Park, Illinois.	Morton Joseph Mills

Session of 1922-1923

FOURTH YEAR CLASS

Adler, Julius, B.S.	*Illinois*
Albach, Maurice, B.S.	*Illinois*
Albrecht, Paul Gerhard, Ph.D., B.S.	*Illinois*
Alcivar, Ernest, B.S.	*New York*
Amberson, Henry Rex, A.B.	*California*
Apple, Carl, B.S.	*Illinois*
Baker, Eugene Lester, B.S.	*Illinois*
Baumgartner, George John, B.S.	*Illinois*
Belnap, Hyrum Earl, B.S.	*Utah*
Bollman, Jesse Louis, A.B., M.S., B.S.	*Illinois*
Bratrude, Amos Presily, B.S.	*Minnesota*
Byers, William Mitchell, B.S.	*Washington*
Caron, Robert Paul, B.S.	*Illinois*
Cochran, Claude Malcolm, A.B., B.S.	*Illinois*
DeFreitas, Clement, B.S.	*South America*
Dessent, Robert, B.S.	*Illinois*
Edwards, Eugene Albert, B.S.	*Indiana*
Edwards, Howard Milton, B.S.	*Illinois*
Epstein, David, B.S.	*Illinois*
Feldman, Louis, B.S.	*Illinois*
Figueroa, Liborio, B.S.	*Porto Rico*
Frenzel, Walter Charles, B.S.	*Wisconsin*
Goff, Charles Weer, B.S.	*Iowa*
Goldberg, Bernard, B.S.	*Illinois*
Goodwin, Marcus, B.S.	*Illinois*
Greengard, Joseph, B.S.	*Illinois*
Groot, James Tobias, B.S.	*Illinois*
Hadden, Shirley Louis, B.S.	*Illinois*
Hahn, James Pendleton, B.S.	*South Carolina*
Hall, Earle Hopkins, B.S.	*Wisconsin*
Harris, Richard August, B.S.	*Illinois*
Harris, Sigil Clance	*North Dakota*
Hoskins, James Howard, B.S.	*South Dakota*
Imbiorski, Stanley J., B.S.	*Illinois*
Janicki, Stanley Florin, B.S.	*Illinois*
Johnson, Harvey Chester, B.S.	*Wisconsin*
Jongewaard, Jeanette	*Iowa*
Karbelnig, Morris, B.S.	*Illinois*
Karlin, Isaac, B.S.	*Illinois*
Kelley, Edward Joseph	*Illinois*
Klein, Jacob, B.S.	*Illinois*
Kobak, Alfred, B.S.	*Illinois*
Krembs, Ferdinand Richard, B.S.	*Wisconsin*
Lans, Nathaniel Benjamin, B.S.	*Illinois*
Lansche, Elmer Arnold, B.S.	*Illinois*
Lenit, Harold Walter	*Illinois*
Levin, Benjamin Mordecai, B.S.	*Illinois*

Litton, Louis, B.S.	*Wisconsin*
Lorfield, Gerhard William, B.S.	*Wisconsin*
Lowe, John William, B.S.	*Illinois*
Lucas, Frank Blackburn, B.S.	*Illinois*
Magill, Clark Russell William, B.S.	*Illinois*
Maher, Chauncey Carter, B.S.	*Wisconsin*
Malnekoff, Ben Jack	*Illinois*
Mann, William Alfred, B.S.	*Illinois*
Mills, Morton Joseph, B.S.	*Illinois*
Moen, Cornetta Grothaus	*Illinois*
Montezon y Labada, Apolonio Fermin, B.S.	*Philippine Islands*
McGrath, Floyd Lawrence, B.S.	*Missouri*
McIntire, Emery J., B.S.	*Illinois*
Nasatir, Azor Victor, B.S.	*Illinois*
Nielson, Johannes M., B.S.	*Illinois*
Newman, Melvin Max, B.S.	*Michigan*
Nielson, Celia Evelyn Owens, B.S.	*Wisconsin*
Pierce, Harrison Morton, B.S.	*Philippine Islands*
Piit, Gaudencio E., B.S.	*Illinois*
Reeves, Dwight Coleman, B.S.	*Illinois*
Reuther, Theodore Ferdinand, B.S.	*Illinois*
Rissinger, Arthur Joe, B.S.	*Illinois*
Saltiel, Thomas Paine, B.S.	*Illinois*
Schecter, William, B.S.	*North Dakota*
Skarperud, Arthur M., B.A.	*Illinois*
Sodaro, Joseph Clarence, B.S.	*Illinois*
Stoops, Richard Boothby, B.S.	*Illinois*
Tranter, Paul W.	*South Dakota*
Tygett, Glenn Joseph, B.S.	*Illinois*
Vogel, Samuel Alexander, B.S.	*Wisconsin*
Wead, John Trimmer, B.S.	*Illinois*
Wehringer, Henry George, B.S.	*Illinois*
Wessels, Marie, A.B., B.S.	*Illinois*
Wilke, Carl August, B.S.	*Illinois*
Wood, Cordelle Atherton, B.S.	*Illinois*
Yahya, Mohammed Abbass, B.S.	*Syria*

THIRD YEAR CLASS

Abramson, William Frederick	*Illinois*
Armitage, Ralph Boyce, B.S.	*Illinois*
Bennett, Edmund Francis	*Illinois*
Bigglestone, Harry Clinton, A.B., B.S.	*Illinois*
Bolotin, Max T., B.S.	*Illinois*
Brough, Glen Amos, B.S.	*Illinois*
Brown, Hyman Nathanson, B.S.	*Illinois*
Burns, George Creswell, B.S.	*Utah*
Collins, Loren Leslie, B.S.	*Illinois*
Colyer, Raymond G., B.S.	*Illinois*
Conrad, Clyde Kenneth, B.S.	*Illinois*
Cooper, Arthur Reuben, A.B., A.M., Ph.D.	*Illinois*

Crow, Robert Neil, B.S.	*Illinois*
Davis, Irvin	*Illinois*
Davidson, Magni, B.A.	*North Dakota*
Deuss, Hugo O., B.S.	*Illinois*
Eliazo, Esteban	*Philippine Islands*
Elliott, William Gibson, B.S.	*Michigan*
Eshman, Louis, B.S.	*Illinois*
Etherton, Fred Snider, B.S.	*Illinois*
Ettleson, Abraham, B.S.	*Illinois*
Eye, Charles Herold, B.S.	*Iowa*
Fischer, Jacob, B.S.	*Illinois*
Flynn, John Francis, B.S.	*Illinois*
Flynn, Robert William, B.S.	*Illinois*
Fox, Chester Philip, B.S.	*Illinois*
Gasser, John Jacob, B.S.	*Illinois*
Gevirtz, Milton B., B.S.	*Illinois*
Gilbert, Ivan, B.S.	*Illinois*
Glassoff, George Samuel	*Illinois*
Glickman, Leo Grant, B.S.	*Illinois*
Goebel, Russel Walter, B.S.	*Illinois*
Groves, Robert Leroy, B.S.	*California*
Guttman, Maurice, B.S.	*Illinois*
Halpern, Louis Joseph, B.S.	*Illinois*
Horsky, Brooke, B.S.	*Montana*
Jerkowsky, Morris Solomon, B.S.	*Illinois*
Johnson, Howard Reynold, B.S.	*Illinois*
Johnson, John Robert, B.S.	*Illinois*
Johnson, Russell, B.A., B.S.	*Iowa*
Kaplan, Samuel, B.S.	*Illinois*
Kellogg, Douglas Sheldon, B.S.	*Iowa*
Kenny, William Lloyd, B.S.	*Illinois*
Kilgore, Benjamin Franklin, B.S.	*Iowa*
King, Mrs. Paz G., B.S.	*Illinois*
Kronenberg, Milton, B.S.	*Illinois*
Leitch, Neil McLean, B.S.	*Illinois*
Lenth, Vincent James Thomas	*Illinois*
Lenzen, Aloysius Francis, A.B., B.S.	*Illinois*
Lifvendahl, Richard Axel, B.S.	*Illinois*
Mar, Severo Francisco, B.S.	*Mexico*
Marcusson, William Beringer, Jr., B.S.	*Illinois*
Margolis, Jesse, B.S.	*Pennsylvania*
Mathre, Albert Ilmer, B.S.	*Illinois*
Meals, Robert Woodruff, B.S.	*Illinois*
Merchant, Henry Alpheus	*Kentucky*
Meyer, Raymond John, B.S.	*Illinois*
Moon, John Frank, B.S.	*Illinois*
Mora, Jacob Morton, B.S.	*Illinois*
Mulcahy, John P., B.S.	*Illinois*
McNally, Andrew, B.S.	*Illinois*
Neiberg, Carlton Maurice	*Pennsylvania*
Nowlin, Owen Wendell Emen, B.S.	*Illinois*

O'Hora, Clarence M., B.S.	*Wisconsin*
Perman, Louis W.	*New York*
Picard, Arthur Paul, B.S.	*Illinois*
Ponzer, Emma, B.S., B.A.	*Illinois*
Poulson, Charles T., B.S.	*South Dakota*
Ralston, John Francis, B.S.	*Illinois*
Roberts, Dewey Minnis, B.S.	*Illinois*
Robertson, Robert Crawford, B.A., B.S.	*Illinois*
Robertson, Thomas Sanderson, B.S.	*Illinois*
Rogers, Jesse P., B.S.	*Pennsylvania*
Rosenblum, David, B.S.	*California*
Rubenstein, Joseph, B.S.	*Illinois*
Schafer, Robert, B.S.	*Illinois*
Schinberg, David, B.S.	*Illinois*
Schirmer, Elizabeth Helen, B.S.	*Illinois*
Scott, Thomas Craig	*Illinois*
Singer, Harry	*Illinois*
Shapiro, Sherman Lawrence, B.S.	*Illinois*
Smejkal, Frank John, B.S.	*Illinois*
Smith, Charles Raimer, B.S.	*Illinois*
Smith, John Frederick	*Ohio*
Snaveley, Ralph B., B.S.	*Illinois*
Solomon, Alfred P., A.B.	*Illinois*
Streicher, Michael Henry, B.S.	*Illinois*
Sutch, Vincent J., B.S.	*Illinois*
Talbot, Harry George, B.S.	*Wisconsin*
Thomas, Joseph Hancock, B.S.	*Illinois*
Thornton, Maurice John, B.S.	*Indiana*
Thurston, Alvin Stewart, B.S.	*Illinois*
Tippett, Walter Pierson, B.S.	*Wisconsin*
Toepfer, Raymond August, B.S.	*Wisconsin*
Uthoff, Carl Joseph, B.S.	*Illinois*
Vener, Hyman, B.S.	*Illinois*
Weiner, Samuel I., B.S.	*Illinois*
Wood, Wilbur Stuart, B.S.	*Illinois*
Yockey, John Clarence, B.S.	*Illinois*
Young, Edmund V., B.S.	*Illinois*

SECOND YEAR CLASS

Alford, Frank Lambert	*Illinois*
Armstrong, Ray Conway, B.S.	*Illinois*
Athanas, Grant Vahan, B.S.	*Illinois*
Bard, Reuben, B.S.	*Illinois*
Bass, Howard, B.S.	*Illinois*
Batko, Jack B., B.S.	*Illinois*
Bell, Joseph Sloan	*Illinois*
Belyea, Reginald Joy	*Illinois*
Bengtson, Bengt Norman, B.S.	*Illinois*
Besta, Charles John, B.S.	*Illinois*
Blount, Walter Putnam, B.S.	*Illinois*

Blye, Franklin Wetmore	*Illinois*
Boelio, Louis N., B.S.	*Illinois*
Bond, Robert Emerson, B.S.	*Illinois*
Brandenburg, Kenneth Charles, B.S.	*Illinois*
Brewer, Lewis Rawlings, B.S.	*Illinois*
Briney, Walter Frederick, B.S.	*Illinois*
Brodboll, Nora Florence, B.S.	*Illinois*
Brunkow, Charles Daniel	*Iowa*
Cameron, Stuart, B.S.	*Illinois*
Carrell, William Dayton, B.S.	*Illinois*
Connelly, Marie Louise, A.B., B.S.	*Colorado*
Crabtree, Joe P.	*Illinois*
Davison, Claude Lorraine, B.S.	*Illinois*
Deitchman, Morris Michael, B.S.	*Illinois*
Dorman, Marion Furman	*Illinois*
Douglas, Robert James, B.S.	*Illinois*
Edgington, Lloyd Conway	*Illinois*
Edwards, Robert William, B.S.	*Illinois*
Ellowitz, Hyman	*California*
Emmerling, Carl J., B.S.	*Illinois*
Engelhard, Herbert Harter, B.S.	*Illinois*
Epstein, Casper Morris, B.S.	*Illinois*
Eubanks, John Edward, Jr.	*Illinois*
Fahlstrom, Stanley Charles William, B.S.	*Illinois*
Fairchild, John Edward, B.S.	*Illinois*
Fillingham, Enid, A.B., B.S.	*Indiana*
Flack, Clarence Elbert, B.S.	*Illinois*
Furness, Carl Nathaniel	*Illinois*
Gellenthien, Carl Herman, B.S.	*Illinois*
Harper, LeRoy	*Washington*
Hawkins, Herman Wientzel	*Illinois*
Hedges, Lafayette Abbott, B.S.	*Kansas*
Hill, Lewis Roland, B.S., M.S.	*Illinois*
Hruby, Frank Edward	*Illinois*
Humiston, Homer Wheeler, B.S.	*Illinois*
Inman, Richard Frank, Jr., B.S.	*Illinois*
Johnson, Reinhold Enoch, B.S.	*Illinois*
Jones, Earnest Eugene, B.S.	*Illinois*
Kaminsky, Hyman, B.S.	*Illinois*
Katzman, George Manual, B.S.	*Illinois*
Kleinman, Bernard Samuel, B.S.	*Illinois*
Kuner, Samuel, B.S.	*New York*
Ledford, Roy Merl, B.S.	*Illinois*
Levy, Benjamin, B.S.	*Illinois*
Lifshin, Jacob Aaron	*Illinois*
Lorance, Luther Mohler, B.S.	*Illinois*
Marsh, Howard LaRue, B.S., M.S.	*Pennsylvania*
Maslow, Leo, B.S.	*Illinois*
Mercer, Alonzo Maceo, B.S.	*Illinois*
Meyerson, Solomon, B.S.	*Illinois*
Miller, Clayton O., B.S.	*Illinois*

Mishkin, Herman Louis, B.S.	*Illinois*
Mohr, Truman Jacob, B.S.	*Ohio*
Moxon, George Milton, B.S.	*Wisconsin*
MacCornack, Donald Maxwell, B.S.	*Wisconsin*
McMillan, John Charles, B.S.	*Illinois*
Novak, Julius B., B.S.	*Illinois*
Olson, Carl Lester Elmer	*Iowa*
Pavlin, Otto Bohemil, B.S.	*Illinois*
Pawlisch, Otto Victor, B.S.	*Wisconsin*
Pfeifer, Oliver Conrad, B.S.	*Illinois*
Pieczynski, John Leo, B.S.	*Illinois*
Richter, Oscar, B.S.	*Illinois*
Rosenbloom, Harold H., B.S.	*Illinois*
Ross, Hector Morrison	*Illinois*
Ryan, Lawrence Donat, B.S.	*Illinois*
Santos, Juan Cuiugan, B.A., B.S.	*Philippine Islands*
Schultz, Louis William, D.D.S.	*Illinois*
Sculley, Jesse Casstevens, B.S.	*South Dakota*
Shalla, Leon Stanley, B.S.	*Illinois*
Shifrin, Max, B.S.	*Illinois*
Shore, Samuel	*Illinois*
Shurtz, William Gooding, B.S.	*Canada*
Sigalowa, Dwoira Gershewa	*Illinois*
Smith, Wilbur Childress	*Illinois*
Stamler, Allan Erwin, B.S.	*Illinois*
Steckbauer, Clifford Earle, B.S.	*Illinois*
Steinert, Lars Eric Theodore, B.S.	*Illinois*
Steinman, Floyd Hough, B.S.	*Illinois*
Stephens, Harry Hart, B.S.	*Illinois*
Sugar, Sol Ascher, B.S.	*Illinois*
Sugars, Roy Thomas, B.S.	*Wisconsin*
Sukumlyn, Stephen Williams	*North Dakota*
Vincent, Helen Ruth	*Illinois*
Williamson, Wayne Shepherd	*Illinois*
Winston, Woody Maurice, A.B.	*Illinois*
Witters, Josef Edward, B.A.	*Michigan*
Wong, David Marndell, B.S.	*Illinois*

FIRST YEAR CLASS

Abelson, Sol	*Illinois*
Amesbury, Harry Arlo	*Illinois*
Amtman, Leo	*Illinois*
Bancroft, Burton Richard	*Illinois*
Banton, Huston	*Illinois*
Barber, Albert Carlos, Jr.	*Illinois*
Barber, Cecil	*New York*
Beabout, Jesse Franklin	*Illinois*
Beguesse, Hubert Hugh	*British West Indies*
Belting, John Theodore	*Illinois*
Benzie, Clinton	*Michigan*

Berardi, James Bernard, Ph.G.	*Illinois*
Bernstein, Theodore	*Illinois*
Bohner, Carlyle Bernard	*Illinois*
Bohrod, Milton	*Illinois*
Bonness, Walter Eric	*Illinois*
Bridegroom, Hugh Ginther	*Illinois*
Brown, Raymond Calvin	*Illinois*
Bullock, Norman Charles	*Illinois*
Burns, Melton Burdett	*Utah*
Canan, Mack Clelland	*Illinois*
Carr, Claire	*Illinois*
Cassidy, Harold Bernard	*Illinois*
Cherne, Charles	*Illinois*
Chestnut, Nelson Hole	*Illinois*
Collins, Harold James	*Illinois*
Cox, Ethelbert Fitz-Randolph	*Illinois*
Crean, Chester	*Illinois*
Cronwell, Bernhard Johannes, Jr.	*Illinois*
De Lano, Percy Joseph	*Illinois*
DiCosola, Ralph	*Illinois*
Esslinger, Paul Henry	*Illinois*
Ewert, Earl Ernest	*Illinois*
Fellows, Manley Fording	*Illinois*
Giryotas, Stanley Joseph	*Illinois*
Goldberg, Samuel Silas	*Illinois*
Golub, Hyman William	*Illinois*
Haley, Paul Edward	*Illinois*
Hall, Andy, Jr.	*Illinois*
Halperin, Isadore	*Illinois*
Hantover, Matthew James	*Illinois*
Hatzis, Peter Nicholas	*Illinois*
Hedberg, Carl A.	*Illinois*
Hoffman, Samuel Julius	*Illinois*
Hubbard, Robert Wolcutt	*Illinois*
Iglowitz, Max	*Illinois*
Isenhart, Lawrence Francis	*Illinois*
Jackson, Thomas, B.S.	*Illinois*
James, Walter Franklin	*Illinois*
Jurgens, Johanas John	*Illinois*
Kearns, Jerry Joseph	*Illinois*
Kelso, Raymond William, R.Ph.	*Illinois*
Killinger, Donald William	*Illinois*
Kionka, Paul Frederick	*Illinois*
Koehler, Elmer George	*Illinois*
Kopple, Abraham Louis	*Illinois*
Kroeger, Clarence Roland	*Arizona*
Lampitok, Andrew Bunce	*Illinois*
Law, Philip Montgomery	*Illinois*
Lazar, Nathan K.	*Illinois*
Lee, Seymour Rowland	*South Dakota*
Lendgren, Carl Victor	*Illinois*

Lester, Rollin Harold	*Illinois*
Levin, Maurice	*Illinois*
Levin, Samuel Arthur	*Illinois*
Levy, Jacob	*New York*
Marshall, Alexander George	*Illinois*
Meyer, William P.	*Illinois*
Mullen, Timothy F., Jr.	*Illinois*
Murray, Ralph Walter	*Illinois*
McDaniel, Lee Roy	*Illinois*
McDaniel, Paul Howard	*Illinois*
McIntyre, Elbridge Albert	*Illinois*
Nelson, Samuel Bennett	*Illinois*
Nowlin, Wilfred Jonathan	*Illinois*
Peluse, Samuel	*Illinois*
Pintzow, Michael Zalman	*Illinois*
Planck, George Edgar	*Michigan*
Porter, Elza Carl	*Ohio*
Pumphrey, Loira Cromwell	*Illinois*
Roan, Charles	*Illinois*
Robertson, Elizabeth Jane	*Illinois*
Robinson, Leon Edward	*Illinois*
Rooney, Eugene John	*Illinois*
Rosenblum, Abraham Irwing	*Illinois*
Rosenblum, Albert Frank	*Illinois*
Russell, Thelma Leota	*Kansas*
Ryder, Bruce Ivan	*Illinois*
Salkin, Sidney	*Illinois*
Sarven, James David, B.A.	*Florida*
Schori, John Wheeler	*Illinois*
Seid, Reuben	*Illinois*
Seinfeld, Samuel Gero	*Illinois*
Selden, Bryant	*Illinois*
Sender, Frank Robert	*Illinois*
Shurtz, Richard Charles	*Illinois*
Stentzel, James Walter	*Ohio*
Stoll, Charles Gilbert	*Illinois*
Strongin, Seymour	*Illinois*
Switzer, Lars Waldorf	*Michigan*
Taylor, Eugene Emmerson	*Illinois*
Tenczar, John Francis	*Illinois*
Turner, Edward Claude	*Illinois*
Waggoner, Charles Van	*Iowa*

UNIVERSITY OF ILLINOIS
THE GRADUATE SCHOOL

Graduate Courses in Medical Sciences

Departments of

Anatomy, Pathology and Bacteriology, Pharmacology, Physiology and Physiological Chemistry

ANNOUNCEMENT
FOR
SUMMER QUARTER OF 1923
JUNE 13-SEPTEMBER 15
AND
SESSION OF 1923-24
1923

THE GRADUATE SCHOOL

THE EXECUTIVE FACULTY*

David Kinley, Ph.D., LL.D., President of the University

Arthur Hill Daniels, Ph.D., *Professor of Philosophy and Dean of Graduate School*
Roger Adams, Ph.D., *Professor of Organic Chemistry*
William Leonidas Burlison, Ph.D., *Professor of Crop Production*
Edward Herbert Cameron, Ph.D., *Professor of Educational Psychology*
Albert Pruden Carman, A.M., D.Sc., *Professor of Physics*
Laurence Marcellus Larson, Ph.D., *Professor of History*
William Abbott Oldfather, Ph.D., *Professor of Classics*
Henry Perley Rusk, M.S., *Professor of Beef Cattle Husbandry*
Stuart Pratt Sherman, Ph.D., L.H.D., *Professor of English*
Arthur Newell Talbot, C.E., D.Sc., D.Eng., *Professor of Municipal and Sanitary Engineering and in charge of Theoretical and Applied Mechanics*
Edgar Jerome Townsend, Ph.D., LL.D., *Professor of Mathematics*
Henry Baldwin Ward, Ph.D., D.Sc., *Professor of Zoology*
Gordon S. Watkins, Ph.D., *Associate Professor of Economics*
Arthur Cutts Willard, B.S., *Professor of Heating and Ventilation*
George Philip Tuttle, Jr., B.S., *Registrar and Secretary of the Executive Faculty.*

STANDING COMMITTEE ON GRADUATE WORK IN THE MEDICAL SCIENCES

Henry Baldwin Ward, Ph.D., *Chairman*
Albert Chauncey Eycleshymer, Ph.D., M.D.
Frederick Brown Moorehead, M.S., D.D.S., M.D.
David John Davis, Ph.D., M.D.
William Henry Welker, Ph.D., *Secretary*

The Teaching Faculty†

1922-23

Albert Chauncey Eycleshymer, Ph.D., M.D., *Professor and Head of the Department of Anatomy and Director of Graduate Work in the Medical Sciences*
David John Davis, Ph.D., M.D., *Professor and Head of the Department of Pathology*
Hugh Alister McGuigan, Ph.D., M.D., *Professor and Head of the Department of Pharmacology, Materia Medica and Therapeutics*
William Henry Welker, Ph.D., *Professor of Physiological Chemistry*
Victor Emanuel Emmel, Ph.D., *Professor of Anatomy*
Roy Lee Moodie, Ph.D., *Associate Professor of Anatomy*
William F. Peterson, M.D., *Associate Professor of Pathology*

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*The administration of the Graduate School is conducted by the Executive Faculty, appointed from year to year by the President on nomination of various departments and recommendation of the Dean of the Graduate School.

†The Teaching Faculty includes all those who at any time give courses of strictly graduate character. Such courses are accepted for major credit and are numbered one hundred and upwards. For the present such courses are offered by the above faculty.

Graduate Work in the Medical Sciences

ADMISSION

Admission to the Graduate School may be granted to graduates of institutions whose requirements for the bachelor's degree are substantially equivalent to those of the University of Illinois, and to applicants from other institutions approved by the Executive Faculty, as hereinafter provided. *Admission to the Graduate School does not, however, imply admission to candidacy for an advanced degree, and gives no right or claim to be so admitted. Such candidacy is determined by the faculty after the student has demonstrated by his work here, for from two to five months, that he has ability to do major work of graduate character. A mere accumulation of "credits" or "grades" is not sufficient.*

Admission to graduate courses may be granted only to those who have had the requisite undergraduate work in those courses or departments. But a student of mature age who satisfies the Director and the department concerned of his ability to pursue graduate work in a given line may be enrolled in particular graduate courses, without reference to a degree, and permitted to carry on such study or investigation under the direction of a department of the University as the department shall recommend and the Dean approve.

Application blanks for admission may be secured from the Registrar of the University. Every applicant must submit with his application for admission an official transcript of his college record.

REGISTRATION AND PROGRAM OF STUDY

The following regulations concerning registration and program of studies are laid out primarily for first-year students. Second-year and third-year graduate students fill out their programs irrespective of the unit value of courses, according to their needs, under the advice of their instructors.

Registration.—Each graduate student must register when he first connects himself with the University, and afterwards at the beginning of each semester.

The registration of a new student may be accepted at any time provided the student is prepared to take up courses actually under way. Credit towards the fulfillment of the residence requirement dates, however, from the time of registration and not from the beginning of the semester or year in which the student enters. Registration will not be permitted later in the year than April 1, except in the case of students who expect to continue through the summer session, or are returning to complete a year's work which has been broken into by illness or other unavoidable interruption.

The first registration, or that on entrance, is permitted only after the student's application for admission to the Graduate School, setting forth his educational attainments, has been duly approved.

Transfer of Undergraduate Credit.—No credit earned during the undergraduate course may be transferred for graduate credit, unless such credit was earned in time additional to the time normally required for the bachelor's degree, in the second semester of senior year, and then only for minor subjects, and on petition.

If at the end of the first semester of his senior year a student has so far completed his work for the bachelor's degree that his program for the second semester is not full, he may elect one or more graduate courses. But such election must be in accordance with Graduate School rules and must be approved by the Director at the time of registration.

In no case may courses be counted for graduate credit on a program which requires more than twelve formal class, lecture or laboratory exercises a week.

Failures.—A graduate student who fails in any course in his major subject cannot secure his degree in the same year in which the failure occurred. No condition examinations are given graduate students.

Students on the Staff.—Assistants and others on the University staff who undertake to do graduate work are permitted to take an amount of work determined by the terms of their employment. Such a student, if required by his engagements to teach more than five classes a week or to have laboratory work or supervision exceeding ten hours a week, may not receive his master's degree at the end of one year, nor his doctor's degree at the end of three.

Residence and Work Done Elsewhere.—Continuous residence and study are required of all members of the Graduate School, unless they are granted leave of absence by the Director, upon recommendation of the professor in charge of their work, for the purpose of carrying on elsewhere studies or investigation in the line of work for their degrees.

Members of the staff who have done graduate work in approved institutions elsewhere may secure credit not to exceed four units towards the master's degree by passing examinations in that work. They may complete the work for the degree by securing at least four units more while registered in the Graduate School for not less than one academic year.

Withdrawal.—If after registration a graduate student wishes to withdraw from any course or to add other work, he must first secure the necessary papers from the Director's office. See the regulations concerning changes in study lists, page 11 of the Graduate School Circular. If he wishes to withdraw from the University he must get clearance papers at the Director's office.

DEGREES

The Degree of Master of Science

Character of Master's Degrees.—The master's degree conferred depends upon the character of the bachelor's degree. The usual practice is that A.M. shall follow A.B., and that M.S. shall follow B.S. However, this practice may be departed from in cases where the undergraduate course of study was of a kind for which some reputable institutions in this country give A.B., while others give B.S. Such departure from the regular practice is permitted, however, only on individual petition duly approved.

Amount of Work Required.—Candidates for the degree of Master of Arts or Master of Science are required to do at least one full year's work in residence, including a thesis. By this is meant from four to five unit courses each semester, or their equivalent. A unit course is one which requires ten hours of time a week through one semester, or fifteen hours of time a week through the summer quarter of twelve weeks, irrespective of the mode of distribution of that time in class work, laboratory work, and private study. Four such courses or their equivalent constitute a full *minimum* program for one semester, and eight such courses, or their equivalent, constitute the *minimum formal* year's work accepted for a master's degree. Only first-rate students are permitted to secure a degree with this minimum program.

Unless otherwise permitted, on individual petition duly approved, every student must take each semester at least one course open to graduate students only (courses numbered 100 and upwards).

In the first year of his graduate study each student is required to attend a minimum of four formal class, lecture or laboratory exercises a week. In no case is he permitted during his course to attend more than twelve a week, without permission.

Grades.—Student's work is graded in five classes, A, B, C, D and E. The last indicates a failure. D indicates unsatisfactory, though passable, work.

A student who receives two units of a grade below B during his first year of graduate work may not complete the first year of residence by carrying the minimum program of eight units for the master's degree. Three units of a grade below B disqualify a student as a candidate for a degree.

A failure or absence from examination in any course may prevent the conferring of the degree; and, as already indicated, failure in any course in the major field precludes the conferring of the degree in the same year.

Majors and Minors.—A candidate for a master's degree may do all his work in one subject, or he may select a major and one minor, or a major and two minors. A major or minor denotes the field of knowledge of a department, or such part thereof as constitutes a separate and independent division of that field. For a master's degree a major is at least half the work, or a minimum of four units, for one year. Less than one unit may not be counted as satisfying the requirements of a minor without the approval of the department concerned.

Foreign Lenguage.—The ability to use one or more of the modern languages ordinarily studied in the undergraduate curriculum is expected of all candidates for the master's degree, and in some lines of study is required. On this matter students should consult the heads of the departments in which their major subjects lie.

Master's Thesis.—Each candidate for a master's degree is required to present a thesis on some subject approved by the professor in charge of his major work and the Executive Faculty of the Graduate School. The thesis subject must be sent to the Dean of the Graduate School for approval by the Executive Faculty before the completion of the first third of the work for the degree. The requirement of a thesis may be waived, however, upon the recommendation of the head of the department in which the student is doing his major work and the approval of the Director, provided application to waive the thesis is made at the beginning of the year. A student excused from writing a thesis must replace it with additional courses of instruction.

No one will be excused from writing a thesis unless one-half of his program of studies consists of courses numbered 100 and upwards.

The thesis required from a candidate for a master's degree ordinarily will demand one-fourth of the student's time and may not exceed one-third of it. The thesis must be typewriten, on "thesis paper,"[1] and the title page must be printed. The thesis in its final form, together with a certificate of approval by the proper officer, must be sent by the professor in charge to the Dean's office at least two weeks before the date on which the degree is to be conferred. No article prepared for another use, or previously published, will be accepted as a thesis.

Under proper conditions a student may be permitted to complete the last fourth of his work, if devoted to his thesis, under leave of absence. To get such permission the student must have secured proper credit for at least six units; must petition for the privilege; must submit to the Dean an outline of the proposed investigation, approved by the head of his major department; and must submit satisfactory evidence that adequate facilities are available to him at the place where he intends to do the proposed work. Approval on all these points must be obtained one collegiate year before the thesis is due.

The Degree of Doctor of Philosophy

Majors and Minors.—Each student who is seeking this degree is expected to choose for study and final examination a major subject, or field of study, and a first and a second minor. The major subject is the field in which the student expects to become expert and an authority. One minor must be a subject closely related to the major and may, under certain conditions and with proper approval, be a subdivision of the major field of study. The remaining minor must be chosen outside of the major field of study.

For the doctor's degree no definite division of a student's time among major and minors can be made, to hold in all cases. In general the faculty approves an arrangement which, distributing the student's time through the required three years, divides it equally among his three subjects in his first year of graduate study; in the proportion of two to one, as between his major and first minor, in the second year of graduate study (his second minor being finished and dropped at the end of the first year) ; and gives all his time to his major during his third year.

While "full-time work" in the first year of graduate study, leading usually to a master's degree, is at least eight units for the two semesters, full-time work after the first year is not reckoned in units. The student is simply required to devote all his time to his work. Nor is there any necessary correspondence between the number of courses taken and the number of units required in the first year, or full-time work in any year. A first year student might possibly secure all the credit necessary in two or three courses; and a second-year or third-year student might conceivably be devoting all his time to one course and his research or to his research alone.

Period of Study.—The *minimum* period of study required for securing the degree of Doctor of Philosophy is three years, during which the student is required to devote all his working time to his studies. All three years must be spent in residence at some accredited educational institution, and either the first two or the last one of the three must be spent at the University of Illinois. The degree is conferred, however, not for residence during a certain period, but for scholarly attainments and power of investigation, as proved by thesis and examinations.

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[1] No other will be accepted by the Dean. "Instructions for the Preparation of Theses" may be obtained at the Secretary's office, Room 309.

Credit for work done in other universities is not "transferred." The candidate is examined here on the subjects offered by him for the advanced degree. However, his period of residence at another institution of proper grade may be accepted in fulfillment of the residence requirement of the University of Illinois, so far as it goes.

EXAMINATIONS

Preliminary.—A. In major and minors.—Towards the end of his second year of study, or by special permission, at the beginning of his third year, the candidate for the degree must submit to a preliminary examination, in order to determine whether he will be accepted as a candidate for the degree in the following year. This examination is intended to test the student's knowledge of the fields of his major and minor subjects of study only. It is partly oral, and may be wholly so.

The student will not be admitted to his preliminary examination until the faculty is satisfied that he has finished substantially the equivalent of two years' graduate work. He must do a full year's graduate work between his preliminary examination and the completion of his work for the doctorate.

B. In Languages.—The candidate will be required to demonstrate his ability to read French and German and other languages needed in his work. This test of proficiency in the use of French and German must be passed before the student is admitted to the preliminary examination in major and minor subjects.

Final Examination.—At least two weeks before the time when the degree is conferred, the candidate must submit to a final examination, given by a committee appointed by the Dean. This examination is primarily on the research work of the student, as embodied in his thesis, but is not confined to that. It extends to the whole field of study of the candidate. It will not be confined to the courses which the candidate has attended in the University of Illinois only, if he has done part of the work elsewhere; nor even to the field covered by the courses specifically taken in this or other universities; but will be so conducted as to determine whether the candidate has a satisfactory grasp of his major subject as a whole, and a general acquaintance with the fields of knowledge represented by his course of study.

The final examination may not be divided. The examination must be taken all at one time even tho it requires several sessions.

If after having passed his preliminary examination, he fails in the third year of his study to meet the expectations of the professors in charge of his work, or in any way fails to maintain the standard of scholarship and power of research expected of him, he may be refused admission to the final examination.

GRADUATE WORK IN THE MEDICAL SCIENCES

Other Examinations.—Before the candidate is admitted to the final examination and the defense of his thesis, he may be required to take any other examination, oral or written, that is thought proper by the various departments in which he has studied.

The above examinations are in addition to those in the courses for which the student is registered. These must be taken at times for which they are set in the examination schedule.

No candidate who does not secure a record of B or higher in at least three-fourths of his work will be recommended for the degree.

Thesis.—The power of independent research must be shown by the production of a thesis on some topic connected with the major subject of study. The candidate is expected to defend his thesis or dissertation before the members of the faculty, or as many of them as may wish to question him about it, in connection with his final examination.

The subject of the thesis should be chosen not later than the end of the second year of residence and must be submitted for formal approval by the faculty not later than six weeks from the beginning of his third year of residence.

A typewritten copy of the complete thesis, *on thesis paper,** and in final form must be deposited in the office of the Dean for presentation to the examining committee not later than two weeks prior to the final examination and not less than four weeks before the time when the degree is conferred. At the same time, the candidate must deposit with the Dean a manuscript of the essential part, or an abstract, or a digest of his thesis, in condition for publication at a cost not to exceed seventy-five dollars ($75). The manuscript must be sufficient to show the method followed, the evidence used and the conclusions reached in the investigation, and must bear the approval of the department and the Executive Faculty of the Graduate School.

The candidate must pay to the Comptroller before graduation the sum of seventy-five dollars ($75) out of which the University will print at least one hundred copies of this manuscript for circulation by the University, unless the thesis entire or in abbreviated form is published by the author or is accepted for publication by a standard journal or publisher within a year from the date of graduation. In the latter event, and after one hundred copies have been presented to the University by the writer, the cash deposit shall be returned to him.

The typewritten and printed forms of the thesis must comply with the regulations given in "instructions for the preparation of masters' and doctors' theses," copies of which may be obtained at the Dean's office on application.

FEES AND EXPENSES.—Except as noted below, graduate students in medicine pay fees as follows:

Matriculation fee	$10.00
Tuition fee (summer quarter)	10.00
Tuition fee (semester)	15.00
Laboratory deposit (each quarter or semester)	15.00
Diploma fee	10.00

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*No other will be accepted by the Dean.

GRADUATE SCHOLARSHIPS AND FELLOWSHIPS

A number of scholarships and fellowships have been established by the Trustees of the University. To first-year graduate students of ability and promise there are open a number of scholarships with a stipend of $300 each and freedom from tuition, incidental, and laboratory fees. To second-year and third-year graduate students, that is, those who have had one or two years of graduate study, there are open fellowships with a stipend varying from $300 to $500, with freedom from the above-mentioned fees. The larger stipends are given only to students who are expected to take their degrees within the year. Each holder of a fellowship or scholarship must pay the matriculation fee of ten dollars, unless he holds a first degree from the University of Illinois, and also the diploma fee of five dollars on receiving his diploma.

Candidates for these scholarships and fellowships must be graduates of the University of Illinois or of colleges or universities having equivalent requirements for bachelors' degrees.

Application must be made on blanks to be obtained from the Dean of the Graduate School. These application forms should be sent to the Dean of the Graduate School as early as possible in February of the academic year preceding that for which the fellowship is desired. No application will be considered if received later than March first, until after April fifteenth, the date when appointees from the first list of applicants must accept or refuse their appointments.

Persons appointed are notified on April first and must send the Secretary of the Board of Trustees notice of their acceptance or refusal by April fifteenth and must agree that, if accepted, the appointment will not be resigned to take a similar one in any other institution during the year for which it is awarded.

Nominations to fellowships are made on the grounds of worthiness of character, scholastic attainments, and promise of success in the principal line of study or research to which the candidate proposes to devote himself. Scholarships and fellowships are not given to candidates who are over thirty years of age at the time when the appointment is to be made.

An appointment as honorary fellow, without stipend, may be made as specified for paid fellowships in the case of one who has shown distinguished merit in his work.

All graduate students who have not matriculated as undergraduates at the University of Illinois pay the matriculation fee on entrance.

All graduate students pay the diploma fee on being recommended for their degrees.

No tuition or incidental fee is charged for graduate courses to members of the corps of instruction, or of the staffs of the scientific bureaus of experiment stations who are appointed by the Board of Trustees, nor for undergraduate courses on their study lists if approved by the heads of the departments and by the Dean of the School as necessary or desirable for the proper completion of the work for the degree.

Each student working in laboratories is required to make a deposit of fifteen dollars to pay for chemicals and apparatus used and for any breakage or damage. No charge or deposits for laboratory materials are required from members of the corps of instruction or the scientific staffs mentioned above.

Departments of Instruction

ANATOMY

101. Histogenesis.—A study of the structural changes in tissues and their elements, which are directly correlated with normal processes, such as growth, activity, rest, fatigue, senility. Laboratory course with occasional lectures and assigned reading.. *One or two units.*
Professor Eycleshymer, Professor Emmel and Associate Professor Moodie

103. Individual Research and Embryology and Histogenesis.—*One or two units.*
Professor Eycleshymer, Professor Emmel and Associate Professor Moodie

PHARMACOLOGY

101. Advanced Pharmacodynamics.—Laboratory work.—*One or two units.*
Professor McGuigan

103. Research Work in Pharmacodynamics.—*One or two units.*
Professor McGuigan

PHYSIOLOGY AND PHYSIOLOGICAL CHEMISTRY

101. Advanced Biological Chemistry.—Biochemical methods of research, biological colloids, enzyme action and metabolism.—*One or two units.*
Professor Welker

103. Biochemical Research.—*One or two units.*
Professor Welker

105. Advanced Physiology.—An introduction to original work in Experimental Physiology. Individual instruction in fundamental methods. Laboratory course.—*One or two units.*
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109. Research Work in Physiology.—*One or two units.*
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PATHOLOGY AND BACTERIOLOGY

101. Advanced Pathogenesis.—Etiology and pathogenesis of certain diseases with especial consideration of the role that the lower animals play in the transmission of human disease. Lectures, conferences, demonstrations, assigned readings.—*One or two units.*
Professor Davis, Associate Professor Petersen

103. Individual Research Course.—*One or two units.*
Professor Davis, Associate Professor Petersen

REGISTER OF STUDENTS

SUMMER QUARTER 1923

Brough, Glen Amos—Pharmacology. B.A. 1921, B.S. 1922. Bushnell, Ill.
Kaplan, Samuel—Pathology. B.S. 1922. Chicago.
Robertson, Robert Crawford—Pathology. A.B. 1921. Coulterville, Ill.
Saelhof, Clarence Charles—Pathology. B.S., M.S., M.D. 1919-1920. Chicago.
Sculley, Jesse Casstevens—Bacteriology. West Frankfort, Ill.

SESSION 1922-1923

Armstrong, Ray Conway—Physiology. Carterville, Ill.
Blount, Walter Putnam—Physiological Chemistry. A.B. 1921. Oak Park, Ill.
Bengtson, Bengt Norman—Bacteriology. Chicago.
Bond, Robert Emerson—Bacteriology. Hareo, Ill.
Brandenburg, Kenneth Charles—Pharmacology. Chicago.
Carrell, William Dayton—Histology. Greenup, Ill.
Davidson, Claude Lorraine—Pharmacology. Peoria, Ill.
Epstein, Casper Morris—Pathology. Chicago.
Ets, Harold Norris—Pharmacology, B.S. (University of Rochester), 1920. Rochester, N. Y.
Groves, Robert Leroy—Pathology. A.B. (University of California), 1917. Chicago.
Hawkins, Herman Weitzel—Bacteriology. Peoria, Ill.
Hughes, Thomas Patrician—Physiological Chemistry. A.B., M.A. (Stanford University), 1917-1922. Chicago.
Humiston, Homer Wheeler—Bacteriology. Chicago.
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Published four times a year in the months of March, June, July and August, at Chicago, Illinois
VOL. X AUGUST, 1924 No. 3
(Entered as second-class matter October 16, 1914, at the post office at Chicago, Illinois, under Act of Congress of August 24, 1912.)
Acceptance for mailing at special rate of postage provided for in Section 1103, Act of October 3, 1917, authorized July 27, 1918.

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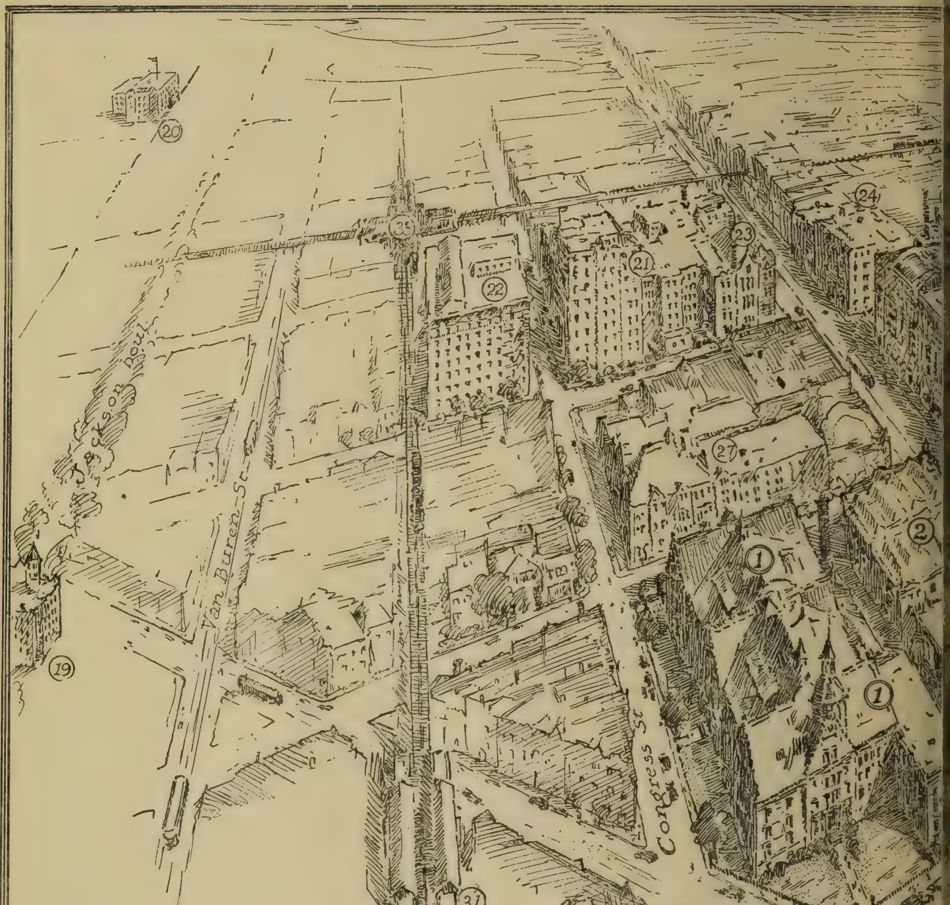
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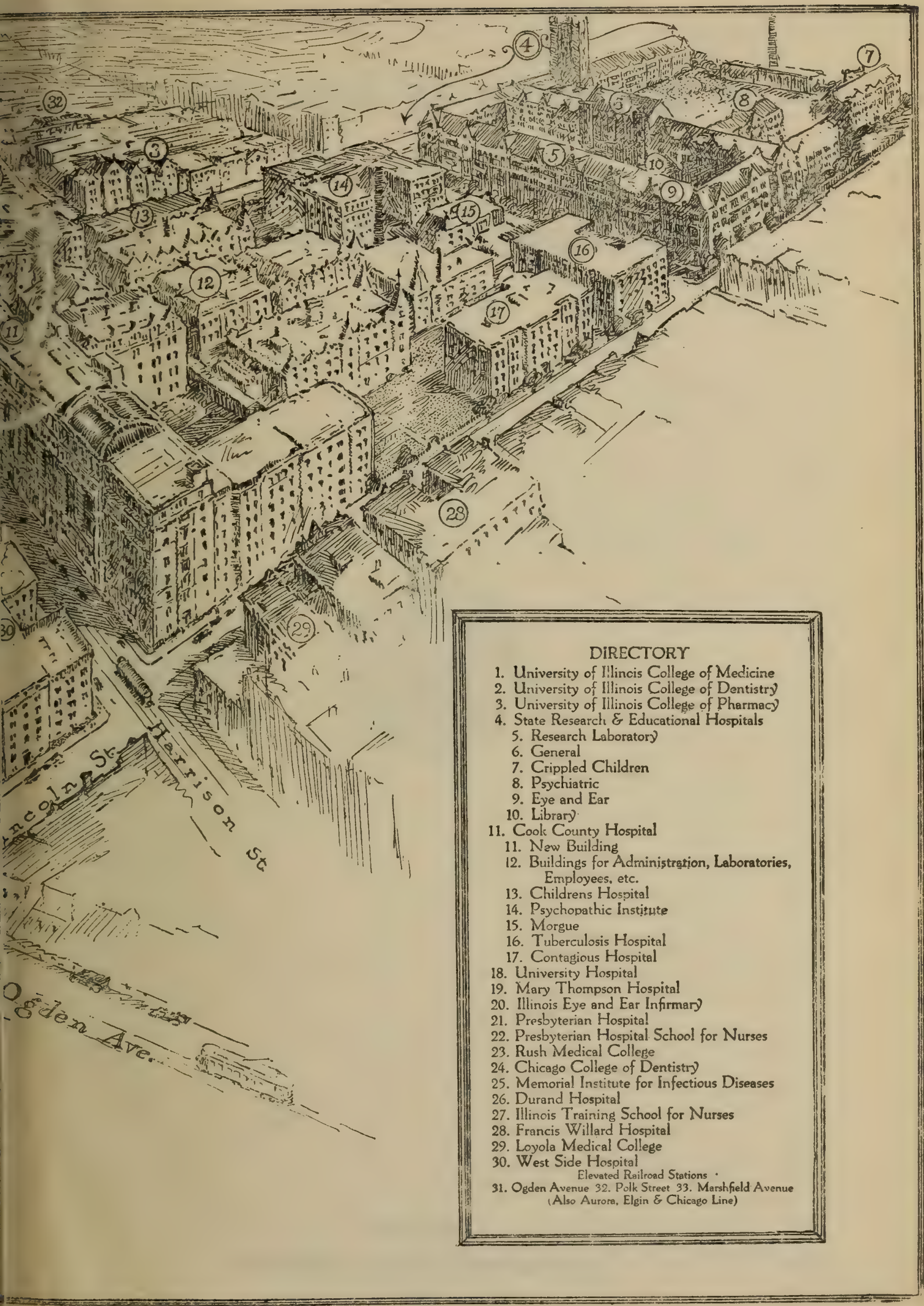

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1924

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JUNE

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JULY

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AUGUST

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OCTOBER

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NOVEMBER

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1925

JANUARY

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MARCH

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JULY

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DECEMBER

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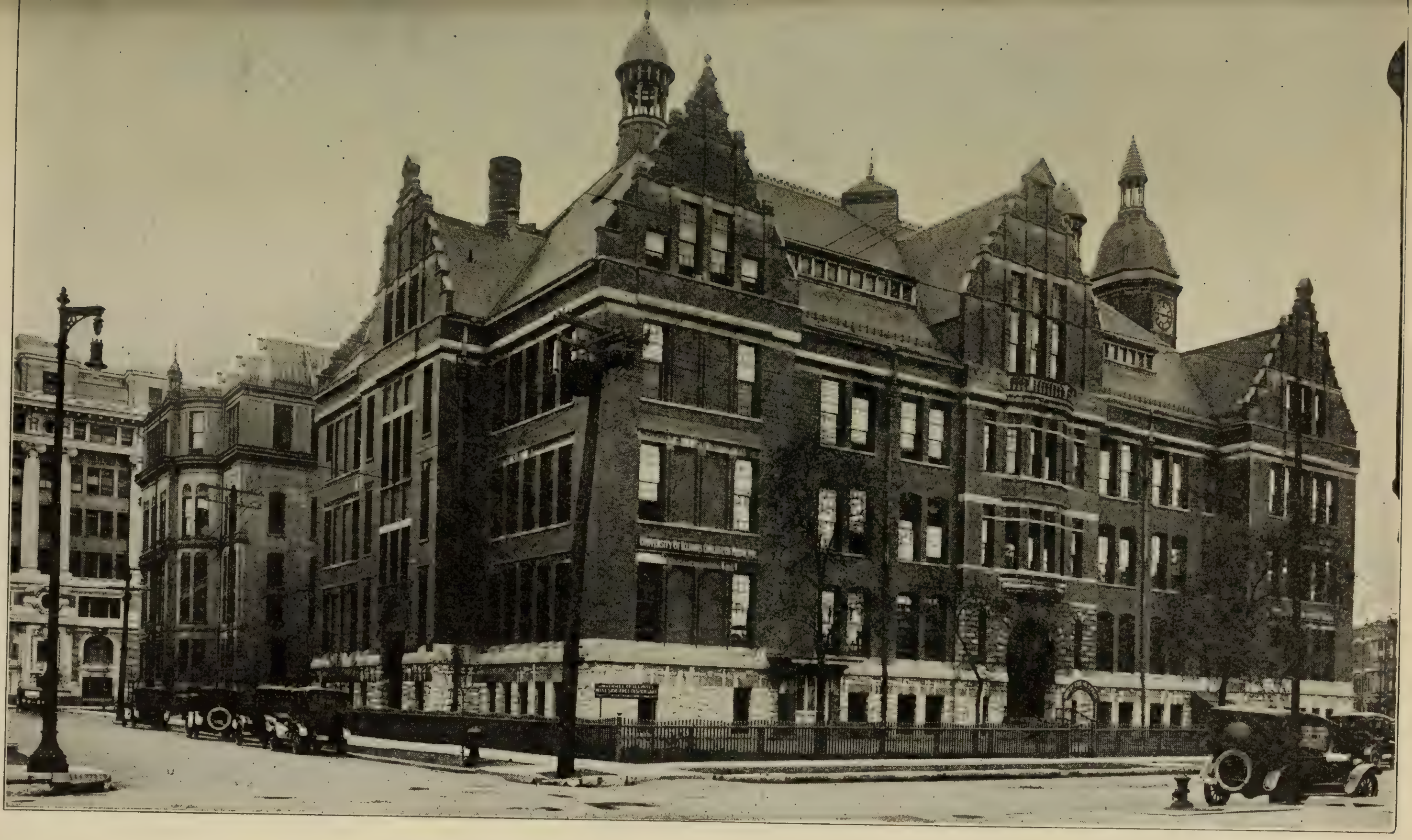

COLLEGE OF MEDICINE OF THE UNIVERSITY OF ILLINOIS
Cook County Hospital in the Background

COLLEGE CALENDAR

1924-1925

FIRST SEMESTER

September 15-19—Monday-Friday
Entrance examinations

September 22-27—Monday-Saturday
(Special) examinations

October 6—Monday, 8 a. m.-5 p. m.
Registration and payment of fees

October 7—Tuesday, 8 a. m.
Semester instruction begun

November 26—Wednesday, 12 m.
Thanksgiving recess begun

December 1—Monday, 8 a. m.
Instruction resumed

December 23—Tuesday, 6 p. m.
Holiday recess begun

January 5, 1925—Monday, 8 a. m.
Instruction resumed

February 2-6—Monday-Friday
Semester examinations

SECOND SEMESTER

February 9—Monday, 8 a. m.-5 p. m.
Registration and payment of fees

February 10—Tuesday, 8 a. m.
Semester instruction begun

February 12—Thursday
Lincoln Day

February 22—Sunday
Washington's Birthday

April 9—Thursday, 6 p. m.
Easter recess begun

April 13—Monday, 8 a. m.
Instruction resumed

May 30—Saturday
Memorial Day

June 1-12—Monday-Friday
Final examinations

June 12—Friday
Class Day and Alumni Meetings

June 15—Monday
Fifty-fourth Annual Commencement

ADMINISTRATIVE OFFICERS

1924-25

DAVID KINLEY, Ph.D., LL.D., President

ALBERT CHAUNCEY EYCLESHYMER, Ph.D., M.D., *Dean*
GEORGE PHILIP TUTTLE, B.S., *Registrar*
WILLIAM HENRY BROWNE, *Secretary, College of Medicine, and Business Manager of the Chicago Departments*

UNIVERSITY COMMITTEES

COMMITTEE ON MEDICAL EDUCATION

EYCLESHYMER (Chairman), OCHSNER, WARD

DISCIPLINE COMMITTEE OF THE CHICAGO PROFESSIONAL SCHOOLS

WELKER (Chairman), BROWNE, THOMAS, DAY

STANDING COMMITTEES

COMMITTEE ON CATALOG

WELKER (Chairman), BROWNE, HEINTZ

COMMITTEE ON CURRICULUM

EYCLESHYMER (Chairman), BACON, BARRETT, DAVIS, DAVISON, DREYER, McGUIGAN, WELKER, WILLIAMSON

COMMITTEE ON DISPENSARY

BROWN (Chairman), BROWNE, HARGER, LANG, HESS, DAVIS

COMMITTEE ON HOSPITAL AFFILIATION

BACON (Chairman), OCHSNER, SINGER, BROWN, DAVIS, DAVISON, McGUIGAN

COMMITTEE ON LIBRARY

DAVIS (Chairman), LOOMIS, MOODIE, SIPPY, TICE

COMMITTEE ON OPTIONAL COURSES

DREYER (Chairman), BACON, DAVISON, DAVIS, McGUIGAN

COMMITTEE ON PHYSICIANS' COURSES

PIERCE (Chairman), BARRETT, BROWN, DAVIS, GOODKIND, HESS

COMMITTEE ON FIFTH YEAR

BROWN (Chairman), TICE, DAVIS

THE COLLEGE OF MEDICINE

(Congress and Honore Streets, Chicago)

Faculty

1923-24

David Kinley, Ph.D., LL.D. . . . . *President*

Henry Parker Newman, A.M., M.D. . . . . *Professor of Gynecology*, Emeritus
Henry Turman Byford, A.M., M.D. . . . . *Professor of Gynecology*, Emeritus
William Allen Pusey, A.M., M.D. . . . . *Professor of Dermatology*, Emeritus
Daniel Atkinson King Steele, M.D., LL.D. . . . . *Professor of Surgery*, Emeritus
Casey A. Wood, A.M., M.D . . . . *Professor of Ophthalmology*, Emeritus
Frank Breckenridge Earle, M.D. . . . . *Professor of Pediatrics*, Emeritus

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Maurice Louis Goodkind. . . . . *Professor of Medicine*

A.B., Williams, 1886; M.D., Columbia, 1889.

Instructor in Neurology, Columbia, 1888-89; Instructor in Neurology, Northwestern, 1893-96; Attending Physician, County Hospital, 1904—; Michael Reese Hospital, 1893—.

George Peter Dreyer. . . . *Professor of Physiology and Physiological Chemistry and Head of Department*

A.B., Johns Hopkins, 1887, Ph.D., 1890.

Fellowship in Physiology, Johns Hopkins, 1889-90; Demonstrator, Associate, Associate Professor of Physiology, 1890-1900; Professor of Physiology, Illinois, 1900—; Junior Dean, 1913-15.

Albert John Ochsner. . . . . *Professor of Surgery*

B.S., Wisconsin, 1884; M.D., Rush, 1886; LL.D., Wisconsin, 1909.

Surgeon-in-Chief, Augustana Hospital, 1891—, St. Mary's Hospital, 1898—; President, American College of Surgeons, 1922-24; President, American Surgical Association, 1924—.

Charles Spencer Williamson. . . . . *Professor of Medicine and Head of Department*

B.S., Cincinnati, 1893, M.D., 1896, M.S., 1901.

Associate Attending Physician, Cook County Hospital, 1902-03; Member of Cook County Consulting Staff, 1904-13; Cook County Hospital Attending Staff, 1913—; Adjunct Professor of Medicine, Illinois, 1901; Associate Professor of Medicine, Illinois, 1902; Professor of Clinical Medicine, Illinois, 1903-04; Professor of Clinical Medicine and Associate Professor of Medicine, Illinois, 1905-11; Professor of Medicine and Clinical Medicine, Illinois, 1912-13.

Charles Sumner Bacon. . . . . *Professor of Obstetrics and Head of Department of Obstetrics and Gynecology*

Ph.B., Beloit, 1878; M.D., Northwestern, 1884.

Attending Obstetrician, Chicago Policlinic, 1895—, Deaconess Hospital, 1900—, Henrotin Hospital, 1905—, Grant Hospital, 1906—, University Hospital, 1907—; Director, Chicago Lying-in Hospital, 1908—.

Charles Davison. . . . . *Professor of Surgery and Head of Department*

M.D., Northwestern, 1883, A.M., 1917.

Professor of Surgical Anatomy, Illinois, 1899-1900; Adjunct Professor of Clinical Surgery, 1900-1903; Adjunct Professor of Surgery and Clinical Surgery, 1903-04; Professor of Surgery and Clinical Surgery, 1904-17; Assistant Surgeon, Illinois Charitable Eye and Ear Infirmary, 1887-92; Attending Surgeon, Cook County Hospital, 1894—, President of Attending Staff, 1917-19; Attending Surgeon, West Side Hospital, 1896-1907, University Hospital, 1908—.

Frederick Tice. . . . . *Professor of Medicine*

M.D., Rush, 1894.

Assistant Professor of Diseases of the Chest, Illinois, 1903; Professor of Diseases of the Chest, 1905-17; Head of Department of Medicine, Illinois, 1917-19; Chief Physician, County Institutions, 1897-99; Member of Attending and Consulting Staff, Cook County Hospital, 1903—.

JOSEPH MCINTYRE PATTON................................*Professor of Medicine*

M.D., New York, 1882.
Chief Assistant in Medicine, College of Physicians and Surgeons, 1883-90; Professor of Physical Diagnosis, Illinois, 1899-1901; Associate Professor of Medicine, 1901-07; Professor of Clinical Medicine, 1907-19; Professor of Anesthesia and Anesthetics, Illinois (Dental), 1902-07; Attending Physician, Henrotin and Policlinic Hospitals, 1890—, Cook County Hospital, 1907-20; Consulting Physician, Chicago General Hospital, 1922—; Consulting Physician, St. Elizabeth Hospital, 1923—.

CHANNING WHITNEY BARRETT............*Professor of Gynecology and Head of Division*

M.D., Detroit, 1895.
Instructor in Medicine, Illinois, 1897-98; Instructor in Gynecology, Illinois, 1898-1900; Assistant Professor of Clinical Gynecology, Illinois, 1900-1901; Attending Surgeon and Gynecologist, Marion Sims Hospital, 1900-1908; Attending Gynecologist, Henrotin Memorial and Policlinic Hospital, 1908—; Adjunct Professor of Clinical Gynecology, Illinois, 1901-09; Associate Professor of Gynecology and Clinical Gynecology, Illinois, 1909-10; Professor of Gynecology and Clinical Gynecology, Illinois, 1910-15; Attending Surgeon (Obstetrics), Cook County Hospital, 1906-12; Attending Surgeon (Gynecologist), Cook County Hospital, 1912—, West Side Hospital, 1914—, Columbus Hospital, 1920—.

NORVAL PIERCE.........*Professor of Laryngology, Rhinology, and Otology, and Head of Department*

M.D., College of Physicians and Surgeons, Chicago, 1885.
Surgeon, Illinois Charitable Eye and Ear Infirmary, Department of Ear, Nose, and Throat; Consultant in Oto-Laryngology, Passavant Memorial Hospital; Senior Attending Otologist, Rhinologist, and Laryngologist, St. Luke's Hospital; President, Medical Board, St. Luke's Hospital, Chicago, 1922-23.

ALBERT EDWARD HALSTEAD..................................*Professor of Surgery*

M.D., Northwestern, 1890.
Professor of Principles and Practice of Surgery, Illinois; Consulting Surgeon, Illinois Charitable Eye and Ear Infirmary; Senior Surgeon, St. Luke's Hospital; Associate Professor of Surgery, Northwestern University, 1897-1900; Professor and Head of Department of Anatomy, Northwestern University, 1897-1900; Professor of Clinical Surgery, Northwestern University, 1900-1906.

ALBERT CHAUNCEY EYCLESHYMER. .*Dean of the College; Professor and Head of Department of Anatomy, Histology, and Embryology*

B.S., Michigan, 1891; Ph.D., Chicago, 1895; M.D., St. Louis, 1910.
Assistant in Animal Morphology and Botany, Michigan, 1889; Assistant in Botany, 1890; Chief Assistant to the Director of the Allis Lake Laboratory, 1890-91; University Fellow in Biology, Princeton, 1891; Fellow in Animal Morphology, Clark University, 1891-92; Fellow in Biology, Chicago, 1892-93, Assistant, 1893-95, Associate in Anatomy, 1895-97, Instructor, 1897-1902; Graduate student in University of Cambridge (England), 1895-96; studying Anatomy and Histology in Germany and France, 1896-97; Lecturer on Human Embryology, Rush, 1897-98, Assistant Professor, 1898-99; Austin Fellow in Histology and Embryology, Harvard, 1900-1901; Assistant Professor of Anatomy, Chicago, 1899-1903; Director of Department of Anatomy, St. Louis, 1903-13; Acting Dean, St. Louis (Medical School), 1913; Junior Dean, Illinois, 1915-16; Member of National Board of Medical Examiners.

WILLIAM MCINTIRE HARSHA....................................*Professor of Surgery*

B.S., National Normal University, Lebanon, O., 1876, A.B., 1877; M.D., Northwestern, 1883.
Lecturer in Medicine, Illinois, 1893; Attending Surgeon, St. Luke's Hospital, 1908—.

DAVID JOHN DAVIS....*Professor of Pathology and Bacteriology and Head of Department*

B.S., Wisconsin, 1898; M.D., Rush, 1903; Ph.D., Chicago, 1905.
Pathologist, Presbyterian Hospital, 1906-10, St. Joseph's Hospital, 1907-11; Special Student, University of Freiburg, 1910; Assistant Professor in Pathology, Rush, 1907-12; Pathologist, St. Luke's Hospital, 1911-13.

JULIUS HAYES HESS........................*Professor of Pediatrics and Head of Division*

M.D., Northwestern, 1899.
Instructor in Pediatrics, Northwestern, 1908-13; Associate Professor of Clinical Pediatrics, Illinois, 1914-16; Attending Pediatrician, Michael Reese Hospital, 1906—, Cook County Hospital, 1913—, Englewood Hospital, 1902—; Consulting Pediatrician, Municipal Contagious Disease Hospital, 1917—, Winfield Tuberculosis Sanitarium, 1914—; Member of Advisory Board Children's Bureau, Department of Labor, Washington; St. Elizabeth Hospital, 1922—.

HUGH ALISTER MCGUIGAN....*Professor of Pharmacology, Materia Medica, and Therapeutics, and Head of Department*

B.S., North Dakota Agricultural College, 1898; Ph.D., Chicago, 1906; M.D., Rush, 1908.
Assistant Professor of Chemistry, North Dakota Agricultural College and Experiment Station, 1901-03; Fellow and Assistant in Physiological Chemistry, Chicago, 1903-06; Assistant Professor of Pharmacology, Washington University, 1906-10; Professor of Pharmacology, Northwestern, 1910-17.

Edward Vail Lapham Brown...*Professor of Ophthalmology and Head of Department*

M.D., Rush, 1898; B.S., Chicago, 1902.

Assistant Pathologist and Pathologist, Illinois Charitable Eye and Ear Infirmary, 1899-1907; Eye Surgeon, Illinois Charitable Eye and Ear Infirmary, 1907-14, Cook County Hospital, 1914-18: Attending Ophthalmologist, Presbyterian Hospital, 1899-1917, University Hospital, 1917—; Instructor and Assistant Professor of Ophthalmology, Rush, 1898-1917; Instructor and Assistant Professor of Pathology of the Eye, Chicago, 1907-17; Attending Ophthalmologist, Evanston Hospital, 1923—.

Harold Douglas Singer..............*Professor of Psychiatry and Head of Division*

M.B., London, 1898, M.D., 1900.

Associate Professor of Neurology, John A. Creighton University, 1904-06; Associate Professor of Psychiatry, Nebraska, 1907; Associate Professor of Psychiatry, Illinois, 1916-18; House Physician, St. Thomas' Hospital, London, 1898-99; Assistant Superintendent, Clinical Laboratory, St. Thomas' Hospital, 1899-1900; House Physician, National Hospital for the Paralyzed and Epileptic, London, 1900-1902; Resident Assistant Physician, St. Thomas' Hospital, 1902-04; Neurologist, St. Joseph's Hospital, Omaha, 1904-06; Assistant Superintendent, Norfolk State Hospital, Nebraska, 1906-07; Director, Illinois State Psychopathic Institute, 1907—; State Alienist, Department of Public Welfare, State of Illinois, 1917-21.

Charles Edward Humiston..................................*Professor of Surgery*

M.D., College of Physicians and Surgeons, Chicago, 1896; Sc.D., Marietta College, 1922.

Surgeon, Cook County Hospital, 1902-20, West Suburban Hospital, 1914; Instructor in Surgery, Illinois, 1905-06, Assistant Professor of Surgery, 1906, Adjunct Professor of Surgery, 1907-12, Professor of Clinical Surgery and Associate Professor of Surgery, 1912-13, Associate Professor of Surgery and Clinical Surgery, 1913-14, Associate Professor of Clinical Surgery, 1914-18.

Henry Foster Lewis...................................*Professor of Obstetrics*

A.B., Harvard, 1885, M.D., 1888.

Professor of Physical Diagnosis, College of Physicians and Surgeons, Chicago, 1891-93; Assistant Professor of Obstetrics and Gynecology, Rush, 1899-1907; Professor and Head of the Department of Obstetrics and Gynecology, Loyola, 1910-18; Attending Obstetrician, Cook County Hospital, 1906-08, Attending Surgeon, 1908-13, Attending Obstetrician, 1913—.

Herman Morris Adler...*Professor of Criminology and Head of Department of Social Hygiene, Criminology, and Medical Jurisprudence*

A.B., Harvard, 1897; A.M., Columbia, 1901, M.D., 1901.

Assistant Children's Clinic, Charite, Berlin, 1904-05; Assistant in Clinical Pathology, Harvard, 1906-09, Instructor in Neuropathology and Psychiatry, 1909-12; Pathologist and Assistant Physician, Danvers State Hospital, Massachusetts, 1909-12; Chief of Staff, Psychopathic Hospital, Boston, 1912-16; Assistant Professor of Psychiatry, Harvard, 1912-16; Criminologist, State of Illinois, and Director of Institute for Juvenile Research, 1917—.

Francis Lane.......................................*Professor of Ophthalmology*

A.B., Princeton, 1897; M.D., Washington, 1899.

Nelson Mortimer Percy....................................*Professor of Surgery*

M.D., Rush, 1899.

Attending Surgeon, St. Mary's Hospital, 1905—, Augustana Hospital, 1908—; Instructor in Surgery, Illinois, 1909-12; Associate Professor of Surgery, Illinois, 1912-21.

Arthur Richard Elliott...................................*Professor of Medicine*

M.D., Queen's University, Canada, 1889, C.M., 1889.

Assistant Professor of Medicine, Illinois, 1917-18; Attending Physician, St. Luke's Hospital, 1910—; Associate Professor of Medicine, Illinois, 1918-21.

William Henry Welker.......................*Professor of Physiological Chemistry*

A.C., Lehigh, 1904; Ph.D., Columbia, 1908.

Assistant in Biological Chemistry, Columbia, 1904-07; Pathological Assistant in Obstetrics (Research Chemist), Sloane Maternity Hospital, N. Y., 1906-07; Demonstrator of Physiological Chemistry, Pennsylvania, 1907-10; Chemist to the German Hospital, New York, 1910; Associate in Biological Chemistry, Columbia (Crocker Cancer Fund), 1910-11, Assistant Professor of Biological Chemistry, 1911-12; Assistant Professor of Physiological Chemistry, Illinois, 1913-19, Associate Professor of Physiological Chemistry, 1919-21.

Victor Emanuel Emmel...................................*Professor of Anatomy*

B.S., Pacific University, 1903, M.S., 1904; Ph.D., Brown University, 1907.

Instructor in Biology, Pacific University, 1903-04; Assistant in Embryology and Neurology, Brown, 1904-07; Biologist, Experimental Station, Rhode Island Commission of Inland Fisheries, 1904-07; Austin Teaching Fellow in Anatomy (Histology and Embryology), Harvard, 1908-10, Associate in Anatomy (Microscopic and Gross), 1910-14, Assistant Professor (Gross and Topographical), Washington, 1914-16; Anatomical study and research, Germany; Assistant and Associate Professor of Anatomy (Gross), Illinois, 1916-19; Associate Professor of Anatomy, California, 1919-22.

Frank Smithies..*Professor of Medicine*

M.D., Michigan, 1904.

Assistant in Medicine, Rush, 1904-06; Instructor in Internal Medicine and Demonstrator of Clinical Medicine, Michigan, 1906-09; Attending Physician, University ot Michigan Hospital, 1906-09; Gastro-enterologist and Clinical Laboratory Chief in Diseases of the Alimentary Tract, Mayo Clinic, Rochester, Minn., 1910-13; Assistant Pathologist, Stadt Krankenhaus Alt. Moabit, Berlin, 1906; Gastro-enterologist, Augustana Hospital, 1913-22; Medical Consultant, U. S. Marine Hospital, Chicago, 1918-20; Visiting Physican, Henrotin Memorial Hospital, 1921—; Physician-in-Chief and Head of Department of Medicine, St. Elizabeth's Hospital, Chicago, 1923—.

Frances Eugene Senear............*Professor of Dermatology and Head of Department*

B.S., Michigan, 1912, M.D., 1914.

Instructor in Dermatology and Syphilology, Michigan, 1915-16; Attending Dermatologist, St. Joseph Hospital Dispensary; Consulting Dermatologist, Illinois Central Railroad; Attending Dermatologist, Ravenswood Hospital; Instructor in Dermatology, Illinois, 1918-19, Associate in Dermatology, 1919-20; Assistant Professor of Dermatology, 1920-21, Associate Professor of Dermatology, 1921-22; Attending Dermatologist, St. Bernard's Hospital, 1921—; Attending Dermatologist, St. Elizabeth Hospital, 1923—.

ASSOCIATE PROFESSORS

Rachelle S. Yarros..................................*Associate Professor of Obstetrics*

M.D., Pennsylvania Women's Medical College, 1893.

Assistant in Obstetrics, Illinois, 1898-99; Physician, Chicago Lying-in Hospital, 1911—; Supervisor of Education for Women, Division of Social Hygiene, State Department of Public Health, 1919-21; Special Consultant, U. S. Public Health Service, 1921—.

Joseph Clar Beck..........*Associate Professor of Laryngology, Rhinology, and Otology*

M.D., College of Physicians and Surgeons, Chicago, 1895.

Oto-Laryngologist, Chief of Staff of North Chicago Hospital; Laryngologist, Rhinologist, and Otologist, Cook County Hospital, 1909-18.

Edward Louis Heintz...............................*Associate Professor of Medicine*

Ph.G., St. Louis College of Pharmacy, 1898; M.D., Illinois, 1901; LL.D., South Dakota, 1922.

Assistant Professor of Materia Medica, Illinois, 1901-03, Adjunct Professor of Materia Medica, 1903-12, Assistant Professor of Medicine and Clinical Medicine, 1913-18; Attending Physician, University Hospital, 1908—, Policlinic Hospital of Chicago, 1912-15, 1918-19, Cook County Hospital, 1918-20.

Maurice Lewison...................................*Associate Professor of Medicine*

M.D., Northwestern, 1906.

Instructor in Neurology and Diseases of the Chest, Illinois, 1906-09, Instructor in Diseases of the Chest, 1909-12, Professor of Physical Diagnosis, 1912-13, Assistant Professor of Physical Diagnosis, 1913-18; Attending Physician, Cook County Hospital, Municipal Tuberculosis Sanitarium, Mt. Sinai Hospital.

George Farnsworth Thompson........................*Associate Professor of Surgery*

B.S., Wisconsin, 1896; M.D., Rush, 1899.

Instructor in Surgery, Rush, 1902-12; Assistant Professor of Junior Surgery and Clinical Surgery, Illinois, 1912-13; Assistant Professor of Surgery and Clinical Surgery, 1913-18; Attending Surgeon, Cook County Hospital, 1906—, West Side Hospital, 1910—.

John Weatherson...................................*Associate Professor of Medicine*

C.E., Cornell, 1895; M.D., Illinois, 1900.

Instructor in Medicine, Illinois, 1901-10; Assistant Professor of Physical Diagnosis, 1910-12; Assistant Professor of Medicine, 1912-17; Special Work, Harvard Graduate Medical School, 1919; Member of Attending Staff, Chicago Hospital, 1901-08, Lakeside Hospital, 1908-14, South Shore Hospital, 1919—; Chief of Medical Department, Illinois Masonic Hospital, 1921—; Attending Staff, Cook County Hospital, 1922—; President of Staff, Illinois Masonic Hospital, 1923—.

Otto Herman Rohrlack..............................*Associate Professor of Obstetrics*

Ph.G., Northwestern, 1892, M.D., 1902.

Assistant Obstetrician, University Hospital, 1910—, Chicago Lying-in Hospital, 1910—, Cook County Hospital, 1917-20, Norwegian American Hospital, 1917—; Assistant Professor of Obstetrics and Clinical Obstetrics, Illinois, 1913-19; Head of Department of Obstetrics, St. Elizabeth Hospital, 1923—; Member of Staff, Lutheran Memorial Hospital, 1923—.

Sidney Strauss....................................*Associate Professor of Medicine*

A.B., Harvard, 1901, M.D., 1904.

Assistant in Medicine, Rush, 1906-09, Associate in Medicine, 1909-10, Instructor in Medicine, 1910-11, Assistant Professor of Medicine, 1911-20; Associate Attending Physician Michael Reese Hospital, 1912—; Assistant Attending Physician, Presbyterian Hospital (Chicago), 1913-19; Attending Physician, Cook County Hospital, 1920—.

George Boris Hassin . . . . *Associate Professor of Neurology*

M.D., Imperial University of Kazan, Russia, 1897.
Instructor in Nervous and Mental Diseases, 1909-13; Attending Neurologist, Cook County Hospital, 1913—; Histologist to Illinois State Psychopathic Institute, 1920—.

Roy Lee Moodie . . . . *Associate Professor of Anatomy*

A.B., Kansas, 1905; Ph.D., Chicago, 1908.
Assistant Professor of Zoology, Kansas, 1908-13; Instructor in Anatomy, Illinois, 1914-16, Associate, 1916-17, Assistant Professor, 1917-21.

Karl Albert Meyer . . . . *Associate Professor of Surgery*

M.D., Illinois, 1908.
Assistant in Clinical Surgery, Illinois, 1916-17; Instructor in Clinical Surgery, 1917-18, Assistant Professor of Surgery, 1918-20; Medical Warden, Cook County Hospital, 1914—; Attending Surgeon, Cook County Hospital, 1920—.

Charles Morgan McKenna . . . . *Associate Professor of Genito-Urinary Surgery*

B.S., Chicago, 1903; M.D., Rush. 1905.
Genito-Urinary Surgeon to St. Joseph's Hospital; Assistant Professor of Surgery (Genito-Urinary), Illinois, 1918-21.

Henry Bascom Thomas . . . . *Associate Professor of Orthopedic Surgery*

B.S., Chicago, 1899; M.D., Northwestern, 1903.
Instructor in Materia Medica, Northwestern, 1905-06, Instructor in Orthopedic Surgery, 1905-09; Senior Attending Orthopedic Surgeon, St. Luke's Hospital, 1904—;Attending Orthopedic Surgeon, Home for Destitute Crippled Children, 1906-10; Provident Hospital, 1906-11; Convalescent Home for Crippled Children, 1909-20; Cook County Hospital, 1908-13; Policlinic Hospital, 1913-14; Chief Orthopedic Surgeon, Cook County Hospital, 1913-20; Assistant Professor of Surgery (Orthopedic), Illinois, 1913-21.

Frank Chauvet . . . . *Associate Professor of Medicine*

M.D., Illinois, 1907.
Instructor in Junior Medicine, Histology, and Embryology, Illinois, 1910-13, Instructor in Physical Diagnosis, 1913-17, Associate in Physical Diagnosis, 1917-18; Member of Consulting Staff, Cook County Hospital, Tuberculosis Department, 1912—; Member of Medical Staff, University Hospital, 1914—, Norwegian American Hospital, 1918; Assistant Professor of Clinical Diagnosis, Illinois, 1919-21.

Henry Eugene Irish . . . . *Associate Professor of Pediatrics*

M.D., Illinois, 1901.
Instructor in Pharmacology and Therapeutics, Illinois, 1904-11, Instructor in Junior Medicine, 1911-14, Instructor in Pediatrics, 1914-17, Associate in Pediatrics, 1918-19, Assistant Professor of Pediatrics, 1919-21; Attending Pediatrician, University Hospital, 1914—; Consulting Physician, Municipal Contagious Hospital,1916—;AttendingPhysician, Cook County Hospital (Contagious), 1917-21; Children's, 1921—.

Maurice Lamm Blatt . . . . *Associate Professor of Pediatrics*

M.D., Rush, 1903.
Instructor in Pediatrics, Illinois, 1914-16, Associate in Pediatrics, 1917-19; Attending and Directing Physician, Pediatric Department, West Side Jewish Aid Dispensary, 1906-15; Attending Dispensary Physician, Municipal Tuberculosis Sanatorium, 1912-16; Attending Physician, Chicago Winfield Sanatorium, Tuberculosis, 1910-15; Directing Physician, Bethlehem Day Nursery, 1912-15; Attending Physician, Maimonidies Hospital, Pediatric Department, 1912-14; Attending Staff, Michael Reese Hospital, 1911-16; Attending Physician, Cook County Hospital, Contagious Department, 1916-20, Pediatric Department, 1920; Consulting Pediatrician, Illinois Eye and Ear Infirmary, 1921; Assistant Professor of Pediatrics, Illinois, 1920-21.

Cassius Clay Rogers . . . . *Associate Professor of Surgery*

A.B., Valparaiso, 1891; M.D., Rush, 1896; A.M., Valparaiso, 1908.
Instructor in Physiology, Chicago College of Dental Surgery, 1896-1905; Instructor, Laryngology, Rush, 1898-1902; Professor and Head of Department of Physical Diagnosis, Chicago College of Dental Surgery, 1901-08; Professor and Head of Department of Surgery, Chicago College of Medicine and Surgery, 1905-15; Attending Surgeon, Frances Willard Hospital, 1907-17; Evangelican Deaconess Hospital; Assistant Professor of Surgery, Illinois, 1919-21.

Ernest Sisson Moore . . . . *Associate Professor of Medicine*

Ph.B., DePauw, 1892; M.D., Illinois, 1903.
Demonstrator of Pathology, Illinois, 1903-09, Instructor in Clinical Medicine, 1909-10; Physician in charge of Cook County Consumption Hospital, 1905-12; Associate in Clinical Medicine, Illinois, 1915-18, Assistant Professor of Medicine, 1919-20.

Frederick G. Dyas . . . . *Associate Professor of Surgery*

M.D., Northwestern, 1904.
Instructor in Surgery, Illinois, 1908-11, Assistant Professor of Surgery, 1911-19; Associate Professor of Surgery, Northwestern, 1920-21.

Haim I. Davis . . . . *Associate Professor of Psychiatry*

M.D., University of Charkow, Kharkoff, Russia, 1891.

Assistant Professor of Neurology, Illinois, 1906-18; Attending Neurologist, Michael Reese Hospital, 1908; Attending Psychiatrist, Cook County Psychopathic Hospital, 1917—.

William F. Petersen . . . . *Associate Professor of Pathology and Bacteriology*

B.S., Chicago, 1909; M.D., Rush, 1912.

Instructor Pathology, Columbia, 1913-14; Assistant Professor of Experimenal Medicine and Pathology, Vanderbilt, 1914-17; Associate in Pathology, Illinois, 1920-21.

Benjamin Franklin Lounsbury . . . . *Associate Professor of Surgery*

B.L., Wisconsin, 1902; M.D., Northwestern, 1907.

Surgeon in Charge, Washington Blvd. Hospital, 1913—.

William Clark Sanford . . . . *Associate Professor of Surgery*

M.D., etc.,

ASSISTANT PROFESSORS

John Michael Lang . . . . *Assistant Professor of Gynecology*

M.D., Illinois, 1900. Member of Staff, West Side Hospital (Gynecology and Obstetrics), 1912—.

Charles Francis Read . . . . *Assistant Professor of Psychiatry*

B.S., Beloit, 1898; M.D., Rush, 1901.

Managing Officer, Chicago State Hospital, Dunning, Ill., 1917-21; State Alienist, Department of Public Welfare, 1921—.

John Ross Harger . . . . *Assistant Professor of Surgery*

B.S., Chicago, 1904; M.D., Rush, 1906.

Assistant in Clinical Surgery, Illinois, 1908-10, Instructor in Clinical Surgery, 1910-12, Assistant Professor of Junior Surgery and Minor Surgery, 1912-13, Instructor in Junior and Minor Surgery, 1913-16, Associate in Surgery and Minor Surgery, 1916-18.

Ralph Chess Purnell Truitt . . . . *Assistant Professor of Neurology*

M.D., Maryland, 1910.

Assistant Physician, New Jersey State Hospital, Trenton, 1910-12; Physician-in-Chief, City Hospital, and Physician in Out-Patient Department, Johns Hopkins Hospital, Baltimore, 1912-13; Clinical Instructor in Psychiatry, Baltimore Medical College and College of Physicians and Surgeons, Baltimore, 1912-13; First Assistant Resident Physician, Phipps Psychiatric Clinic, Johns Hopkins Hospital, 1913-14; Medical Director, State Hospital, Jackson, La., 1914-15; Senior Physician, State Hospital, Trenton, N. J.; 1915-17; Medical Director, Illinois Society for Mental Hygiene, 1919—.

Charles Herbert Phifer . . . . *Assistant Professor of Surgery*

M.D., Illinois, 1902.

Instructor in Junior Medicine, Illinois, 1902-07, Instructor in Senior Surgery, 1907-16, Instructor in Surgery, 1916-18; Attending Surgeon, Lakeside Hospital, 1903-14; Attending Surgeon, Washington Park Hospital, 1914—; Associate in Surgery, Illinois, 1918-19; Attending Surgeon, Illinois Central R. R. Hospital, 1922; Consulting Surgeon, Illinois Masonic Hospital, 1922—.

Egan Walter Fischmann . . . . *Assistant Professor of Gynecology*

M.D., Rush, 1906.

Instructor in Gynecology, Illinois, 1912-18, Associate in Gynecology, 1918-19, Instructor in Medicine, 1907-11; Instructor in Gynecology, Chicago Policlinic, 1908-18, Assistant Professor of Gynecology, 1918—; Gynecologist, Grant Hospital, 1921—.

Adolph Hartung . . . . *Assistant Professor of Roentgenology*

M.D., Illinois, 1908.

Instructor in Radiology, Illinois, 1912-14, Instructor in Roentgenology, 1914-18; Roentgenologist, Cook County Hospital, 1909-13, Alexian Bros. Hospital, 1910—, Henrotin Hospital, 1910-16, German Hospital, 1910-16, Policlinic Hospital, 1910-16; Associate in Roentgenology, Illinois, 1918-19.

Harry Culver . . . . *Assistant Professor in Genito-Urinary Surgery*

B.S., Wisconsin, 1910; M.D., Rush, 1913; M.S., Illinois, 1918.

Instructor in Experimental Medicine, Illinois, 1915-18, Instructor in Genito-Urinary Diseases, 1916-18; Fellow in Sprague Memorial Institute, 1915; Cystoscopist to Cook County Hospital, 1917—; Urologist to University Hospital, 1918—.

Raymond William McNealy........................*Assistant Professor of Surgery*

M.D., Illinois, 1910.

Instructor in Neurology and Psychiatry, Illinois, 1912-13, Instructor in Senior Neurology, Psychiatry, and Junior Medicine, 1912-13, Instructor in Senior Surgery, 1913-14, Instructor in Surgery, 1914-18; Attending Surgeon, Cook County Hospital, 1917—, Post-Graduate Hospital, 1912-22, Illinois Masonic Hospital, 1921.

George Luther Davenport........................*Assistant Professor of Surgery*

M.D., Illinois, 1907.

Associate Attending Surgeon, Michael Reese Hospital, 1913—; Attending Surgeon, Cook County Hospital, 1920—, Illinois Masonic Hospital, 1921—.

Arthur Reuben Cooper..............................*Assistant Professor of Anatomy*

A.B., Toronto, 1910, A.M., 1911; Ph.D., Illinois, 1917.

Class Assistant in general Biology, Toronto, 1909-11, Demonstrator in Zoology, 1911-12, Fellow and Demonstrator, 1912-14, Lecturing Demonstrator, 1914-15; Fellow in Zoology, Illinois, 1915-16; Honorary Fellow, 1916-17; Research Assistant in Zoology, University of Michigan, Biological Station, 1917 (Summer); Instructor in Anatomy, Illinois, 1917-19, Associate in Anatomy, 1919-20.

Harry Searls Gradle...........................*Assistant Professor of Ophthalmology*

A.B., Michigan, 1906; M.D., Rush, 1908.

Attending Ophthalmic Surgeon, Michael Reese Hospital, 1920—.

Jacques Holinger...........*Assistant Professor in Laryngology, Rhinology, and Otology*

M.D., University of Basel, 1890.

Assistant, Ear, Nose, and Throat Clinic, University of Basel, 1890-92; Physician, Chicago Eye and Ear Infirmary, 1893-97; Clinical Professor, Diseases of the Ear, Northwestern University, 1896-98; Instructor in Laryngology, Rhinology, and Otology, Illinois, 1919, Associate in Laryngology, Rhinology, and Otology, 1920-21.

Lester Edward Bower..........................*Assistant Professor in Pediatrics*

A.B., Illinois, 1912; M.D., Northwestern, 1914.

Attending Physician, Department of Contagious Diseases, Cook County Hospital, Attending Physician, Department of Pediatrics, 1918-19; Instructor in Pediatrics, Illinois, 1917-19; Attending Pediatrician, Chicago Nursing and Half Orphan Asylum; Associate in Pediatrics, Illinois, 1920-21.

William Joseph Quigley..........................*Assistant Professor of Medicine*

B.S., Wisconsin, 1911; M.D., Rush, 1913.

Attending Staff, Cook County Hospital (Tuberculosis), 1919; Instructor in Medicine, Illinois, 1919-21, Associate in Medicine, 1921-22.

Isadore B. Diamond................................*Assistant Professor of Neurology*

M.D., Southern Medical College, 1894.

Instructor, Histology, Pathology, and Bacteriology, Southern Medical College, Atlanta, Ga., 1896-97; Pathologist, Grady Hospital, Atlanta, Ga., 1896-97; Assistant in Pathology, Rush, 1899-1902, Assistant in Medicine, 1907-11, Instructor in Medicine, 1907-11; Instructor in Neurology, Illinois, 1912-17.

Anders Frick.......................................*Assistant Professor of Medicine*

B.S., University of Lund, 1887; M.S., Sweden; M.D., Medical and Surgical Institute, Stockholm, Sweden, 1896.

Associate Professor of Medical Therapeutics, Rush, 1901-05; Chief of Department of Internal Medicine, Augustana Hospital, 1903—; Consulting Physician, Lake View Hospital, 1912—; Attending Physician, Cook County Hospital, 1912-13.

Olaf Bergeim.........................*Assistant Professor of Physiological Chemistry*

B.S., South Dakota State College, 1908; M.S., Illinois, 1912; Ph.D., Jefferson Medical College, 1914.

Demonstrator, Associate, and Assistant Professor of Physiological Chemistry and Toxicology, Jefferson Medical College, 1914-23.

Augustus George Zimmerman........................*Assistant Professor of Surgery*

Assistant Professor of Surgery (Extra Mur) LL.B.

Walter Charles Hammond........................*Assistant Professor of Obstetrics*

M.D., Illinois, 1911.

Attending Physician, Lakeview Hospital, 1913—; Instructor in Obstetrics, Illinois, 1913-19; Associate in Obstetrics, Chicago Policlinic Hospital, 1915-17; Adjunct Obstetrician, Chicago Lying-in Hospital and Dispensary, 1922; Associate in Obstetrics, 1919-23.

ASSOCIATES

Arrie Bamberger . . . . *Associate in Surgery*

B.S., Chicago, 1906; M.D., Rush, 1909.

Instructor in Pediatrics, Illinois, 1910-11, Assistant Professor of Pediatrics, 1911-12, Assistant Professor of Clinical Pediatrics, 1912-13, Instructor in Minor Surgery, 1913-18; Attending Staff, Cook County Hospital, 1917-19; Attending Surgeon, Michael Reese Hospital Dispensary, 1910-20, Illinois General Hospital, 1921-23; Chicago Hospital, 1923, Streeter Hospital, 1923—.

Oscar Eugene Nadeau . . . . *Associate in Surgical Pathology and Associate in Anatomy*

B.S., Wisconsin, 1911; M.D., Rush, 1913.

Instructor in Photography, Wisconsin, 1910-11; Instructor in Surgical Pathology, Illinois, 1911-18; Pathologist, St. Mary of Nazareth Hospital, 1912-13, Associate Surgeon, 1917—; Consulting Surgeon, Contagious Diseases Hospital, 1918—; Urologist, Augustana Hospital, 1918—.

Franklin Samuel Wilson . . . . *Associate in Medicine*

Ph.G., Illinois, 1894; M.D., 1911.

Instructor in Chemistry, 1908-10; Instructor in Pharmacy and Materia Medica, 1911-13; Instructor Clinical Medicine, Illinois, 1914-18; Cook County Agents' Physician; Examining Physician for Juvenile Home and Court.

Edward Francis Garraghan . . . . *Associate in Laryngology, Rhinology, and Otology*

A.B., St. Ignatius College, 1895, A.M., 1905; M.D., Illinois, 1901.

Instructor in Surgery (Laryngology, Rhinology, and Otology), Illinois, 1914-18; Assistant Eye Surgeon, Illinois Charitable Eye and Ear Infirmary, 1908—; Attending Oculist and Aurist, Municipal Tuberculosis Sanitarium, 1918—, Sheridan Park Hospital, 1920—; Instructor in Laryngology, Rhinology, and Otology, Chicago Policlinic, 1907-15; Attending Oculist and Aurist, John B. Murphy Hospital, 1920—.

Walter Henry Theobald . . . . *Associate in Laryngology, Rhinology, and Otology*

B.S., Chicago, 1911; M.D., Rush, 1911.

Instructor in Surgery (Laryngology, Rhinology, and Otology), Illinois, 1916-18; Attending Otologist, Rhinologist, and Laryngologist, St. Luke's Hospital, 1915—.

Frank Lee Stone . . . . *Associate in Gynecology*

M.D., Illinois, 1910.

Instructor in Pathology, Illinois, 1911-12; Professor of Pediatrics, Creighton, 1913-14; Instructor in Gynecology, Illinois, 1914-19.

John Perley Sprague . . . . *Associate in Orthopedic Surgery*

A.B., Bates College, 1898; M.D., Northwestern, 1903.

Clinical Assistant in Neurology, Northwestern, 1903-05; Professor of Hygiene, Grinnell College, 1914-17; Scientific Assistant, United States Public Health Service, 1918-19; Attending Staff, University Hospital, 1919—; Attending Surgeon (Orthopedic), Illinois Masonic Hospital, 1922—.

John Charles Matthew Krasa . . . . *Associate in Medicine*

M.D., Illinois, 1913.

Instructor in Medicine, Illinois, 1914-17; Associate Attending Physician, University Hospital, 1914—; Attending Physician, Bohemian Settlement House of Chicago, 1919—; Member of Attending Staff, Illinois Charitable Eye and Ear Infirmary, 1921—; Associate Attending Ophthalmologist, 1922—.

Henry Lester Baker . . . . *Associate in Surgery*

M.D., Illinois, 1898.

Assistant in Clinical Surgery, Illinois, 1914-16; Member of Staff, University Hospital, 1915; Instructor in Surgery, Illinois, 1912-19.

George Washington Post, Jr. . . . . *Associate in Surgery*

B.S., Milton College, 1905, A.M., 1909; M.D., Illinois, 1909.

Attending Surgeon, St. Anne's Hospital, 1913—; Assistant in Clinical Surgery, Illinois, 1912-19.

Ralph Charles Sullivan . . . . *Associate in Surgery*

A.B., St. Ignatius College, 1908; A.M., Loyola, 1912; M.D., Rush, 1912.

Instructor in Surgery, Chicago College of Medicine and Surgery, 1913-17; Attending Surgeon, Oak Park Hospital, 1921—.

Solomon Maxwell Goldberger . . . . *Associate in Pediatrics*

M.D., Illinois, 1908.

Attending Physician, Jewish Aid Dispensary, 1908-10, St. Margaret's Hospital, Hammond, Ind., 1910-15, Norwegian Deaconess Hospital, 1916—, Norwegian American Hospital, 1916—; Pediatrician, Chicago Policlinic, 1917—; Instructor in Pediatrics, Illinois, 1918-21.

Charles Francis Yerger............*Associate in Laryngology, Rhinology, and Otology*

Ph.G., Northwestern, 1898; M.D., 1905.
Instructor in Medicine, Illinois, 1905-07, Instructor in Operative Surgery, 1907-11; Instructor in Oto-Laryngology, Rush, 1912-13; Attending Surgeon, Sceleth Hospital (Eye, Ear, Nose, and Throat), House of Correction, 1913-20, Illinois Charitable Eye and Ear Infirmary, 1913—; Attending Oto-Laryngologist, Cook County Hospital, 1920—; Instructor in Laryngology, Rhinology, and Otology, Illinois, 1918-21.

Marcus Hatfield Hobart..........................*Associate in Orthopedic Surgery*

A.B., Northwestern, 1912, M.D., 1915.
Instructor in Medicine, Northwestern University, 1916-17; Instructor in Orthopedic Surgery, Illinois, 1920-21; Attending Staff, Orthopedic Surgery, St. Luke's Hospital, 1921—; Attending Surgeon, Evanston Hospital, 1922—.

Frank Joseph Jirka....................................*Associate in Medicine*

M.D., Northwestern, 1910.
Assistant Professor of Medicine, College of Medicine and Surgery, Valparaiso University, 1912-13; Assistant in Physical Diagnosis, Illinois, 1913-17, Instructor in Medicine, 1920-21.

Grover Tracy..............................*Associate in Physiological Chemistry*

A.B., Pennsylvania College, 1909.
Assistant in Physiological Chemistry, Illinois, 1914-16; Assistant in Physiological Chemistry, Columbia, 1916-18; Instructor in Physiological Chemistry, Illinois, 1919-21.

Harold Stacey Hulbert..................................*Associate in Neurology*

M.D., Michigan, 1914.
Demonstrator in Psychiatry, Michigan, 1914-17; Assistant Physician in State Psychopathic Hospital, Michigan, 1916; Consulting Psychiatrist, U. S. Naval Training Station, Great Lakes, 1917-18; Assistant Physician, Chicago State Hospital, 1919-21; Instructor in Neurology, Illinois, 1920-21.

Arthur Ray Metz................................*Associate in Operative Surgery*

A.B., Indiana, 1909; M.D., Rush, 1911.
Surgeon and Roentgenologist, Washington Boulevard Hospital, 1913—; Assistant in Operative Surgery, Illinois, 1920-21.

Clarence J. McMullen..................................*Associate in Medicine*

M.D., Illinois, 1912.
Assistant in Medicine, Illinois, 1917-18; Instructor in Medicine, 1919-21; Attending Physician, West Side Hospital, 1919—; Cook County Hospital (Tuberculosis Department), 1923—.

Hans Nachtigall......................................*Associate in Obstetrics*

M.D., Chicago College of Medicine and Surgery, 1913.
Assistant to Professor Koblanck (Gynecology and Obstetrics) and to Professor K. Brandenburg (Internal Medicine) at the Rudolph Virchow Krankenhaus, Berlin, Germany, 1913-14.

Isador Michael Levin..................................*Associate in Pediatrics*

A.S., Chicago, 1914, B.S., 1916; M.D., Rush, 1919.

Eugene Cary...*Associate in Obstetrics*

B.S., Chicago, 1910; M.D., Rush, 1912.
Clinical Assistant in Gynecology, Northwestern, 1914-21; Junior Obstetrician, St. Luke's Hospital, 1914—; Instructor in Obstetrics, 1922-23.

Joseph K. Calvin.......................................*Associate in Pediatrics*

B.S., Chicago, 1916; M.D., Rush, 1918.
Assistant in Pediatrics, Illinois, 1920-21; Instructor in Pediatrics, 1922-23.

Richard Hermann Jaffe..................................*Associate in Pathology*

M.D., University of Vienna, 1913.

Walter John Richard Heinekamp......*Associate in Pharmacology and Therapeutics*

B.S., Illinois, 1919, M.S., 1920, M.D., 1923.
Assistant in Pharmacology, 1918-22; Assistant in Obstetrics, 1922-23; Research Assistant in Medicine, 1923; Associate in Pharmacology and Therapeutics, 1923.

LECTURERS

Elmer De Witt Brothers.........................*Lecturer on Medical Jurisprudence*

B.S., Valparaiso, 1882; LL.B., Michigan, 1892.
Lecturer on Dental Jurisprudence, Illinois, 1913—; Lecturer and Instructor, John Marshall Law School, 1903—.

Matthew Mills.......................*Alternate Lecturer on Medical Jurisprudence*

A.B., Yale, 1900; LL.B., Northwestern, 1903.
Instructor, John Marshall Law School, 1903—.

Bernard John Cigrand..........................*Lecturer on History of Medicine*

B.S., Northern Indiana Normal School, 1884; M.S., Valparaiso, 1885; D.D.S., Lake Forest University, 1888.
Head of Prosthetic Dentistry, Northwestern (Dental), 1892-99; Secretary and Dean, Illinois (Dental), 1899-1904.

INSTRUCTORS

Annie Esther Barron-Harrison..........................*Instructor in Obstetrics*

M.D., Illinois, 1902.
Superintendent, University Dispensary, 1902-14; Physician to Helen Day Nursery, 1914-17; Assistant Obstetrician, University Hospital, 1907—.

Harry Jerome Smejkal.......................*Instructor in Genito-Urinary Surgery*

M.D., Illinois, 1908.
Physician, Chicago Hospital, 1908-09; Instructor in Anatomy, Illinois, 1910-11, Instructor in Medicine, 1911-14.

Archie James Graham..............................*Instructor in Operative Surgery*

B.S., Illinois, 1902; M.D., 1902.

Thomas Smith Jones..................*Instructor and Artist in Department of Anatomy*

B.F.A., St. Louis, 1908.

Clyde Mason Snow...........*Instructor in Materia Medica, Pharmacology, and Therapeutics*

Ph.G., Illinois, 1902; A.M., Valparaiso, 1910.
Instructor in Chemistry of Drugs, Harvey Medical College, 1903-04, Lecturer on Pharmacognosy, 1903-04; Lecturer on Pharmacy, Chicago College of Medicine and Surgery, 1909-10; Instructor in Pharmacy, Illinois (Pharmacy), 1902-10, Acting Professor of Pharmacy, 1910-11, Assistant Professor of Pharmacy, 1911-19, Associate Professor of Pharmacy, 1919-20, Professor of Pharmacy, 1920—.

Thomas John Sullivan, Jr.........................*Instructor in Orthopedic Surgery*

M.D., Illinois, 1915.
Attending Surgeon, Mercy Hospital.

Isadore Pilot..*Instructor in Pathology*

M.D., Illinois, 1917; B.S., Chicago, 1919.
Pathologist, Lutheran Deaconess Hospital, 1921—; Adjunct in Medicine, Michael Reese Hospital, 1923—.

Leo Antony Juhnke....................................*Instructor in Gynecology*

M.D., Northwestern, 1910.
Assistant in Gynecology, Chicago, 1913-14, Instructor in Gynecology, 1915-16, Assistant Professor, 1917; Assistant in Gynecology, Illinois, 1917-19; Attending Physician, Home of Good Shepherd.

Samuel A. Levinson.......................*Instructor in Pathology and Bacteriology*

B.S., Illinois, 1917, M.S., 1919, M.D., 1919.

Frank George Murphy.............................*Instructor in Orthopedic Surgery*

B.S., Minnesota, 1913; M.D., Rush, 1915.
Attending Orthopedic Surgeon, South Shore Hospital, Chicago, 1922—.

Dennis Rider Wood Crile..........*Instructor in Orthopedic Surgery and in Anatomy*

B.S., Wisconsin, 1914; M.D., Harvard, 1917.
Instructor in Surgery, Western Reserve, 1920; Instructor in Surgery, Lakeside Hospital, Cleveland, 1920; Senior Orthopedic Surgeon, St. Mary of Nazareth Hospital, 1921; Attending Surgeon, Chicago Memorial Hospital, 1922—.

Lyndon Harris...*Instructor in Surgery*

M.D., Illinois, 1912.
Instructor in Junior Medicine, Illinois, 1914-16.

HALLARD BEARD..*Instructor in Ophthalmology*
B.S., Chicago, 1914; M.D., Rush, 1917.

VINCENT JOHN O'CONOR........................*Instructor in Genito-Urinary Surgery*
B.S., Michigan, 1915; M.D., Rush, 1917.
Instructor, Genito-Urinary Diseases, Harvard, 1919-20; House Officer, Peter Bent Brigham Hospital, Boston, 1917; House Surgeon, Presbyterian Hospital, Chicago, 1918-19; Residing Urological Surgeon, Peter Bent Brigham Hospital, Boston, 1919-20; Attending Urological Surgeon, Washington Boulevard Hospital, Chicago.

MAX S. WIEN..*Instructor in Dermatology*
B.S., Chicago, 1917; M.D., Rush, 1919.
Examining Physician, Chicago Winfield Tuberculosis Sanitarium, 1921—.

LLOYD LAVERNE ELY....................................*Instructor in Medicine*
M.D., Iowa, 1919.

FREDERICK L. PICKOF........................*Instructor in Pathology and Bacteriology*
B.S., Illinois, 1918, M.D., 1920.
Pathologist, St. Bernard's Hospital, 1921-23; St. Elizabeth Hospital, 1923—.

SEYMOUR J. COHEN.....................................*Instructor in Pharmacology*
B.S., Chicago, 1917, M.S., 1917; M.D., Rush, 1919.
Assistant in Physiology, Chicago, 1917; Assistant in Pharmacology, Illinois, 1917-18.

HARRY WILLIAM FINK....................................*Instructor in Dermatology*
B.S., Chicago, 1918; M.D., Rush, 1921.

IDEL TREIGER.................................*Instructor in Clinical Laboratory*
M.D., University of Berne, 1917.
Assistant Professor of Pathology, Pathological Institute, University of Berne, 1917-18; Assistant Surgeon and Pathologist, City Hospital Burgdorf, Berne, Switzerland, 1918-20.

DAVID M. LEVY...*Instructor in Criminology*
A.B., Harvard, 1914; M.D., Rush, 1918.
State of Illinois, Psychiatrist, Division of the Criminologist; Assistant Director, Institute for Juvenile Research.

MARGARET AMERTON HEATH...............................*Instructor in Ophthalmology*
A.B., Wellesley College, 1907.

PEARL MAE STETLER.....................................*Instructor in Obstetrics*
A.B., Wisconsin, 1911; M.D., Johns Hopkins, 1913.
Assistant in Gynecology, Rush, 1917-19; Member attending Staff, Obstetrics and Gynecology, Mary Thompson Hospital, 1920—.

FRANCIS TODD H'DOUBLER..............*Instructor in Pathology and Assistant in Surgery*
A.B., Wisconsin, 1907, A.M., 1908, Ph.D., 1910; M.D., Harvard, 1915.
Graduate Scholar in Mathematics, Wisconsin, 1907-08; Fellow in Mathematics, 1908-10; Medical House Officer, Peter Bent Brigham Hospital, 1916-17; Surgical House Officer, Augustana Hospital, 1915-17, Resident, 1921—, Assistant Junior Attending Surgeon, 1922—.

RUSSELL DORR HERROLD........................*Instructor in Genito-Urinary Surgery*
B.S., Drake, 1911; M.D., Rush, 1915.
Member of Staff, John McCormick Institute for Infectious Diseases, 1917—.

GOLDYE HOFFMAN..*Instructor in Gynecology*
M.D., Illinois, 1915.
Assistant in Gynecology, Illinois, 1918-21.

CLARA GRACE GOTTSCHALK..................................*Instructor in Surgery*
M.D., Illinois, 1915.
Assistant in Surgery, Illinois, 1918-21.

PHILLIP ROSENBLUM......................................*Instructor in Pediatrics*
M.D., Northwestern, 1913.
Assistant in Pediatrics, Illinois, 1921-22; Adjunct Attending Pediatrician, Michael Reese Hospital, 1923—.

William Franklin Moncreiff.......................*Instructor in Ophthalmology*
B.S., Vanderbilt, 1913, M.S., 1913; M.D., Rush, 1917.
Assistant in Ophthalmology, Illinois, 1921-22.

Thomas Patrician Hughes.....................*Instructor in Physiological Chemistry*
A.B., Stanford, 1921, A.M., 1922.

Julius Brams..............................*Instructor in Pathology and Bacteriology*
B.S., Illinois, 1919, M.D., 1921.

Albert Vander Kloot....................................*Instructor in Medicine*
M.D., Illinois, 1915.

Francis Loeffler Lederer.........*Instructor in Laryngology, Rhinology, and Otology*
B.S., Chicago, 1919; M.D., Rush, 1921.
Attending Otologist, Rhinologist, and Laryngologist, North Chicago Hospital, 1923—.

Samuel Jacob Burrows....................................*Instructor in Anatomy*
M.D., Jefferson, 1917.

Frank Max Wittelle....................................*Instructor in Medicine*
B.S., Illinois, 1919, M.D., 1920.
Assistant in Medicine, 1921-22.

Maxwell P. Borovsky....................................*Instructor in Pediatrics*
B.S., Chicago, 1917; M.D., Rush, 1919.
Resident Physician, Cook County Children's Hospital, 1920-21; Examining Physician, Children's Department, Winfield Tuberculosis Sanitarium, 1921—.

Robert Ludwick Furby....................................*Instructor in Pediatrics*
M.D., Illinois, 1913.
Instructor in Medicine, Illinois, 1914-19.

Harold L. Weatherford....................................*Instructor in Anatomy*
A.B., Leland Stanford Junior University, 1916.
Assistant in Zoology (Embryology) Stanford, 1916.

Anatole Kolodny....................................*Instructor in Anatomy*
Ph.D., (Prague), Jurjew, 1912; M.D. (Basel), Kasan, 1916.
Clinical Assistant in Surgery, University of Kasan, 1918; Instructor in Surgery, 1919; Prosector in Pathology, 1920; Assistant in Pathology, University of Berlin, 1921; Pathologist to State University Hospital of Iowa, 1922-23.

Franklin Ransom Fitch....................................*Instructor in Physiology*
B.S., Illinois, 1919; M.D., Illinois, 1922.

Abraham Fae Lash....................................*Instructor in Gynecology*
B.S., University of Chicago, 1919; M.D., Rush, 1921.

Bess Lucile Lloyd....................................*Instructor in Anatomy*
B.S., Northwestern, 1921; M.S., Washington University, 1923.

Leo Louis Hardt....................................*Instructor in Medicine*
B.S., University of Chicago, 1914; M.S., 1916; M.D., Rush, 1917.
Assistant in Chemistry, University of Chicago, 1913; in Physiology, 1914-16; Assistant in Medicine and Neurology, Rush, 1917-20; Member of Staff in Medicine, Mayo Clinic, 1920-23.

Marshall Daniel Hayes....................................*Instructor in Obstetrics*
B. S., Illinois, 1918; M.D., Rush, 1921.
Instructor in Medicine, Rush, 1920-21; Pre-natal clinic, Cook County Hospital, 1923; Attending Physician, Englewood Hospital, 1923—.

Edgar Theron Blair....................................*Instructor in Obstetrics*
B.S., Illinois, 1918, M.D., 1920.

Alvah Lewis Sawyer....................................*Instructor in Medicine*
B.S., Beloit, 1909; M.D., Illinois, 1913.
Associate, Staff West Suburban Hospital, 1919—.

Duane Willard Propst.......................................*Instructor in Medicine*
A.B., Illinois, 1916, B.S., 1917, M.D., 1919.

Israel Lytton Sherry.......................................*Instructor in Pediatrics*
B.S., Chicago, 1910; M.D., Rush, 1912.

John Baptist Cipriani.......................................*Instructor in Medicine*
M.D., Illinois, 1913.

Leonard Fred Weber.......................................*Instructor in Dermatology*
M.D., Illinois, 1922.

Jacob Meyer.......................................*Instructor in Medicine*
B.S., Chicago, 1914; M.D., Rush, 1916; M.S., Chicago, 1917; Associate Attending Physician, Mt. Sinai Hospital, 1923—.

Edmund F. Foley.......................................*Instructor in Medicine*
B.S., Chicago, 1918; M.D., Rush, 1921.

James Edward Fitzgerald.......................................*Instructor in Obstetrics*
A.B., Michigan, 1914; M.D., Northwestern, 1920.

ASSISTANTS

Elmer William Mosley.......................................*Assistant in Medicine*
Ph.G., Valparaiso, 1903; M.D., Illinois, 1911.

Jesse Louis Bollman.......................................*Assistant in Physiological Chemistry*
A.B., Illinois, 1917; M.S., Michigan, 1918; B.S., Illinois, 1923.
Assistant in Bacteriology, Michigan, 1917-18, Instructor, 1918.

Frederick Christopher.......................................*Assistant in Surgery*
B.S., Northwestern, 1911; M.D., Johns Hopkins, 1915.
Assistant Surgeon, St. Luke's Hospital, 1920; Junior Surgeon, Evanston Hospital, 1922.

Walter Rathfon Fischer.......................................*Assistant in Orthopedic Surgery*
B.S., Illinois, 1919, M.D., 1920.

Benjamin Braude.......................................*Assistant in Operative Surgery*
B.S., Chicago, 1906; M.S., 1907; M.D., Rush, 1909.
Instructor in Neurology, Illinois, 1911-14; Assistant in Ear, Nose, and Throat, Rush, 1914-15; Assistant in Anatomy, Illinois, 1919-20.

Virgil Sheetz Counseller.......................................*Assistant in Surgery*
B.S., Chicago, 1918; M.D., Rush, 1919.
Assistant in Embryology, Histology, and Neurology, Ohio, 1916; Junior Attending Surgeon, Evanston Hospital.

Irving Robert Browning.......................................*Assistant in Operative Surgery*
B.S., Michigan, 1912; M.D., Rush, 1919.
House Physician, Washington Boulevard Hospital, 1920.

Samuel Glenwood Plice.......................................*Assistant in Obstetrics*
B.S., Illinois, 1919; M.D., 1921.

Gilbert Palmer Pond.......................................*Assistant in Surgery*
B.S., Pennsylvania State College, 1915; M.D., Rush, 1919.

Harold Norris Ets.......................................*Assistant in Pharmacology*
B.S., University of Rochester, 1920.

Howard LaRue Marsh.......................................*Assistant in Physiological Chemistry*
B.S., Pennsylvania State College, 1909, M.S., 1912.

ADELINE R. WHITE . . . . *Assistant in Anatomy*
B.S., Wisconsin, 1899; M.D., Rush, 1920.

LOUIS BOTHMAN . . . . *Assistant in Ophthalmology*
B.S., Chicago, 1915; M.D., Rush, 1917.
Resident, Cook County Hospital, 1918-19; Assistant in Surgery, Loyola, 1919; Assistant in Medicine, St. Louis, 1920.

RALPH AUGUST KORDENAT . . . . *Assistant in Surgery*
B.S., Illinois, 1919, M.S., 1921, M.D., 1922.

KARL LEROY VEHE . . . . *Assistant in Surgery*
B.S., Northwestern, 1912, M.D., 1915.
Assistant in Anatomy (Microscopic), Northwestern, 1915, Instructor in Surgery, 1920.

MAX E. ENGERMAN . . . . *Assistant in Pediatrics*
B.S., Illinois, 1918, M.D., 1920.

LOUIS J. WISCH . . . . *Assistant in Pediatrics*
M.D., Illinois, 1922.

GUY LEON WAGONER . . . . *Assistant in Pediatrics*
B.S., Illinois, 1916, M.D., 1918.

THADDEUS LEOPOLD BRADEL . . . . *Assistant in Medicine*
B.S., Chicago, 1917; M.D., Rush, 1919.
Assistant in Anatomy, 1918-19.

GEORGE SHAYNIN LIVINGSTON . . . . *Assistant in Surgery*
B.S., Illinois, 1920, M.S., 1920, M.D., 1923.

CHARLES OWEN HERSHEY . . . . *Assistant in Obstetrics*
M.D., Illinois, 1922.

CARL COHEN . . . . *Assistant in Pediatrics*
B.S., Illinois, 1918, M.D., 1920.

YNGVE JORANSON . . . . *Assistant in Anatomy*
A.B., Augustana, 1913; B.S., Chicago, 1915; M.D., Rush, 1917.

THEODORE A. ROST . . . . *Assistant in Anatomy*
B.S., Illinois, 1920, M.D., 1922.

JOHN W. BRENNAN . . . . *Assistant in Anatomy*
M.D., Rush, 1920.

PAUL WHITE RUSH . . . . *Assistant in Medicine*
B.S., Illinois, 1919, M.D., 1923.

I. A. RABENS . . . . *Assistant in Medicine*
B.S., Chicago, 1914, M.S., 1914; M.D., Rush, 1916.
Attending Staff, Internal Medicine, North Chicago Hospital, 1918—.

HENRY C. BECKER . . . . *Assistant in Hygiene*
M.D.V., McKillip College, 1911.

JESSE HENRY ROTH . . . . *Assistant in Laryngology, Rhinology, and Otology*
A.B., Notre Dame, 1910, M.S., 1914; M.D., Illinois, 1915.

ADOLPH KRAFT . . . . *Assistant in Experimental Surgery*
B.S., Illinois, 1919, M.S., 1920, M.D., 1922.

BEULAH CUSHMAN . . . . *Assistant in Ophthalmology*
M.D., Illinois, 1916; B.S., Milwaukee Downer College, 1922.

Frank Raymond Richmond.......... *Assistant in Medicine*
B.S., Illinois, 1919, M.D., 1922.

John Fisher Gainer.......... *Assistant in Surgery*
B.S., Illinois, 1919, M.D., 1922.

Dorrin Fred Rudnick.......... *Assistant in Surgery*
B.S., Illinois, 1922, M.D., 1923.

Theodore Ross Van Pelt.......... *Assistant in Medicine*
B.S., Illinois, 1920, M.D., 1922.

Howard Leslie Mawdsley.......... *Assistant in Operative Surgery*
A.B., Iowa, 1919; M.D., Rush, 1922.

L. Benno Bernheimer.......... *Assistant in Laryngology, Rhinology, and Otology*
M.D., Illinois, 1921.

Charles Edwin Blomgren.......... *Assistant in Medicine*
B.S., Wisconsin, 1896; M.D., Rush, 1899.
Instructor in Therapeutics, Rush, 1902-03.

John Joseph Theobald.......... *Assistant in Laryngology, Rhinology, and Otology*
B.S., Chicago, 1917; M.D., Rush, 1919.

William Alexander Malcolm.......... *Assistant in Obstetrics*
B.S., Illinois, 1917; M.D., Illinois, 1919.

Otto Andrew G. Reinhard.......... *Assistant in Obstetrics*
B.S., Illinois, 1920; M.D., 1923.

Julius Ernest Fleischner.......... *Assistant in Gynecology*
B.S., Illinois, 1921; M.D., 1923.

Iris McKy Chamberlain.......... *Assistant in Pediatrics*
M.D., Washington University, 1921.

Ellis B. Freilich.......... *Assistant in Medicine*
M.D., Illinois, 1914.

Samuel J. Burrows.......... *Assistant in Anatomy*
M.D., Jefferson Medical College, 1917.

Joseph Greengard.......... *Assistant in Medicine*
B.S., Illinois, 1921.

Morris Louis Parker.......... *Assistant in Surgery*
B.S., Northwestern, 1919; M.D., 1923.

Ben Zion Rappaport.......... *Assistant in Medicine*
B.S., Illinois, 1920; M.D., 1923.

Deane Francis Brooke.......... *Assistant in Medicine*
M.D., George Washington University, 1922.

Henry David Cohen.......... *Assistant in Dermatology*
B.S., Chicago, 1918; M.D., Rush, 1921.

Philip Herman Wolfram.......... *Assistant in Laryngology*
B.S., Chicago, 1911; M.D., Illinois, 1913; Rush, 1920.

AFFILIATED HOSPITAL STAFFS

THE UNIVERSITY HOSPITAL

Surgery:

Charles Davison, A.M., M.D.	*Attending Surgeon*
Max Meyerovitz, M.D.	*Assistant Attending Surgeon*
Charles Marshall Davison, B.S., M.D.	*Assistant Attending Surgeon*

Medicine:

Edward Louis Heintz, Ph.G., M.D., LL.D.	*Attending Physician*
Ralph Sherman Michel, M.D.	*Attending Physician*

Obstetrics:

Charles Sumner Bacon, Ph.B., M.D.	*Attending Obstetrician*
Otto Herman Rohrlack, Ph.G., M.D.	*Assistant Attending Obstetrician*
Annie Barron-Harrison, M.D.	*Assistant Attending Obstetrician*
Edgar Theron Blair, B.S., M.D.	*Assistant Attending Obstetrician*

Genito-Urinary Surgery:

Harry Culver, M.S., M.D.	*Attending Urologist*
William Henry Bradley, M.D.	*Assistant Genito-Urinary Surgeon and Dermatologist*

Pediatrics:

Henry Eugene Irish, M.D.	*Attending Pediatrician*
Vandy Frank Masilko	*Assistant Attending Pediatrician*

Diseases of the Eye:

William Elliot Gamble, B.S., M.D.	*Attending Ophthalmologist*
Edward Vail Lapham Brown, B.S., M.D.	*Attending Ophthalmologist*
John Mathew Krasa, M.D.	*Assistant Attending Ophthalmologist*
William Frederick Moncreiff, M.S., M.D.	*Assistant Attending Ophthalmologist*

Diseases of the Nose and Throat:

Karl Albert Meyer, M.D.	*Attending Laryngologist and Rhinologist*

Orthopedic Surgery:

John Perley Sprague, A.B., M.D.	*Attending Orthopedic Surgeon*
Walter Rathfon Fischer, B.S., M.D.	*Assistant Attending Orthopedic Surgeon*

Roentgenology and Pathology:

Don John Royer, M.D.	*Pathologist and Roentgenologist*

GRANT HOSPITAL OF CHICAGO

Consulting Staff

Surgery—Dr. Jacob Frank, 25 E. Washington St.; Dr. L. L. McArthur, 122 S. Michigan Ave.; Dr. Arthur Dean Bevan, 122 S. Michigan Ave.

Internal Medicine—Dr. O. L. Schmidt, 5 S. Wabash Ave.; Dr. Gustave Schirmer, 1101 S. Ashland Ave.

Pathology—Dr. F. Robert Zeit, 643 Garland Ave., Winnetka

Nose and Throat—Dr. Frederick Menge, 25 E. Washington St.

Roentgen Department—Dr. M. J. Hubeny, 25 E. Washington St.

Attending Staff

Surgery—Dr. A. G. Zimmerman, 30 N. Michigan Ave.; Dr. Sylvan Coombs, 25 E. Washington St.; Dr. H. Edward Sauer, 25 E. Washington St.; Dr. William Hessert, 547 Fullerton Ave.

Medicine—Dr. W. S. Orth, 5 S. Wabash Ave.; Dr. John E. Siebel, 1538 Dearborn Parkway; Dr. Alexander Stevenson, 104 S. Michigan Ave.

Gynecology—Dr. T. J. Doederlein, 25 E. Washington St.; Dr. E. W. Fischmann, 30 N. Michigan Ave.

Obstetrics—Dr. C. S. Bacon, 2333 Cleveland Ave.; Dr. W. A. Stuhr, 2733 N. Clark St.; Dr. Julius E. Lackner, 104 S. Michigan Ave.

Eye—Dr. Ludwig Abele, 30 N. Michigan Ave.; Dr. O. H. Kraft, 25 E. Washington St.

Ear, Nose, and Throat—Dr. George Dennis, 25 E. Washington St.; Dr. J. Holinger, 5 S. Wabash Ave.; Dr. G. T. von Colditz, 25 E. Washington St.

Nervous Diseases—Dr. Peter Bassoe, 30 N. Michigan Ave.

Genito-Urinary and Dermatology—Dr. L. E. Schmidt, 5 S. Wabash Ave.; Dr. H. A. Kraus, 25 E. Washington St.

Pediatrics—Dr. Ernst Lackner, 31 N. State St.; Dr. G. Edwin Baxter, 4603 Broadway; Dr. Franklin J. Corper, 4603 Broadway.

Anesthetics—Dr. J. E. H. Atkeisson, 1954 Milwaukee Ave.

Department Directors

Pathology—Dr. Richard H. Jaffe
X-Ray—Dr. P. G. Kitterman

ST. ELIZABETH HOSPITAL

The Department of Medicine

Physician in Chief and Head of the Department

Frank Smithies, M.D.

Consulting Physicians

Frederick Tice, M.D.	*Diseases of the Lungs*
J. Patton, M.D.	*Diseases of the Heart and Circulatory System*
Julius Hess, M.D.	*Diseases of Infancy and Childhood*
John Favill, M.D.	*Diseases of the Nervous System*
Wm. A. Pusey, M.D.	*Dermatology and Syphilology*
D. J. Davis, M.D.	*Pathology and Bacteriology*
Hugh McGuigan, M.D.	*Clinical Biochemistry*

Attending Physicians

A. E. Luckhardt, M.D.	*Neuropsychiatry*
Richard Bartlett Olesen, M.D.	*Tuberculosis, Cardiology*
Francis E. Senear, M.D.	*Dermatology*

Associate Attending Physicians—General Medicine

Peter J. Latz, M.D.
A. W. Lakemeyer, M.D.
G. L. Perusse, M.D.
G. W. Cassidy, M.D.
A. J. Alcorn, M.D.

ASSISTANT ATTENDING PHYSICIANS—GENERAL MEDICINE

M. A. Bisdorf, M.D.
L. A. Garness, M.D.
A. J. Behrendt, M.D.
Fred Rudnick, M.D.

VISITING PHYSICIANS—EXTRA MURAL

S. H. Ganser, M.D.
A. F. Delfosse, M.D.
R. L. Furby, M.D.
Theodore Giese, M.D.
M. Neumen, B.S., M.D.
B. Levine, B.S., M.D.
L. Figuero, B. S., M.D.
J. P. Gibbs, M.D.
R. R. Lande, M.D.
A. J. Johnston, M.D.
W. A. Simunich, M.D.
H. Edwards, B.S., M.D.
G. Pi-it, B.S., M.D.

DIVISION OF PATHOLOGY AND RESEARCH MEDICINE

F. L. Pickof, B.S., M.D. . *Attending Pathologist and Director of Laboratory Diagnosis and Investigation*

HOSPITAL STAFF

THE DEPARTMENT OF SURGERY

SURGEON IN CHIEF AND HEAD OF THE DEPARTMENT

PRESIDENT OF STAFF

W. C. Sanford, B.S., M.D.

ATTENDING SURGEONS

M. G. Luken, M.D.
August G. Zimmerman, M.D.
E. E. Henderson, M.D.

ASSOCIATE ATTENDING SURGEONS

E. N. Redden, M.D.
J. J. Monahan, M.D.
B. S. Milton, M.D.
C. S. Krysinski, M.D.

ASSISTANT ATTENDING SURGEONS

J. P. Woitalewicz, M.D.
A. J. Linowiecki, B.S., M.D.
Z. Klopper, M.D.
A. E. Malachowski, M.D.
E. K. Avery, M.D.
E. B. Kalvelage, M.D.
J. F. Dybalski, M.D.
Ralph Kordenat, M.D.

ATTENDING GYNECOLOGISTS

P. A. Sullivan, M.D.
J. R. Lavieri, M.D.
M. A. Gier, M.D.

ASSOCIATE ATTENDING GYNECOLOGIST

Oscar Ofner, M.D.

ATTENDING OTO-LARYNGOLOGISTS AND OPHTHALMOLOGISTS

A. G. Wippern, M.D.
Oscar Cleff, M.D.

ASSISTANT ATTENDING OTO-LARYNGOLOGISTS AND OPHTHALMOLOGISTS

Francis A. Dulak, M.D.
V. Englert, M.D.

ATTENDING OBSTETRICIANS

O. H. ROHRLACK, M.D.
W. F. JACOBS, M.D.
J. W. KRAMPS, M.D.

ATTENDING ORAL SURGEONS

DENNIS J. NORMOYLE, D.D.S.

CHICAGO POLICLINIC AND HOSPITAL

ATTENDING STAFF

Surgery—MALCOLM L. HARRIS, M.D.; EDWIN M. SMITH, M.D.; WILLIAM HESSERT, M.D.; NORMAN KERR, M.D.; PAUL MORF, M.D.; JOHN A. GRAHAM, M.D.

Operative Surgery and Surgical Anatomy—IRVING PERRILL, M.D.

Genito-Urinary—WM. T. BELFIELD, M.D.; LOUIS E. SCHMIDT, M.D.

Skin—LUCIUS C. PARDEE, M.D.; FRANK E. SIMPSON, M.D.

Gynecology—A. BELCHAM KEYES, M.D.; CHANNING W. BARRETT, M.D.; HARVEY TYLER, M.D.; C. VON BACHELLE, M.D.

Obstetrics—CHARLES S. BACON, M.D.; EUGENE CARY, M.D.

Medical and Physical Diagnosis—O. L. SCHMIDT, M.D.; J. M. PATTON, M.D.; A. F. STEVENSON, M.D.; O. W. MCMICHAEL, M.D.; J. F. HULTGEN, M.D.

Stomach—C. S. WILLIAMSON, M.D.

Pediatrics—SAM J. WALKER, M.D.; P. E. GRABOW, M.D.; N. H. KLEINPELL, M.D.; S. M. GOLDBERGER, M.D.

Neurology—HUGH T. PATRICK, M.D.; SYDNEY KUH, M.D.; JAMES C. GILL, M.D.; J. W. DAVIS, M.D.

Eye—GEORGE W. MAHONEY, M.D.; OTTO WIPPER, M.D.

Ear, Nose, and Throat—C. M. ROBERTSON, M.D.; G. F. FISKE, M.D.; OTTO T. FREER, M.D.; DAVID FISKE, M.D.; J. M. BICK, M.D.

Pathology, Bacteriology, and Microscopy—JOHN A. GRAHAM, M.D.

THE WEST SIDE HOSPITAL

Surgeons

T. A. DAVIS, M.D., President
ALEX C. WIENER, M.D.
THOMAS J. CONLEY, M.D.
J. P. SMYTH, M.D.
GEORGE F. THOMPSON, M.D.
GEORGE C. AMERSON, M.D.
E. M. BROWN, M.D.
C. R. G. FORRESTER, M.D.
J. E. ROWAN, M.D.
WM. S. ROYCE, M.D.
C. C. O'BYRNE, M.D.
J. F. VAN PAING, M.D.

Internal Medicine

CLYDE D. PENCE, M.D., Vice-President
W. L. CALLAWAY, M.D.
J. J. PFLOCK, M.D.
C. J. MCMULLEN, M.D.

Oculist and Aurist

WM. L. NOBLE, M.D., Secretary

Nose and Throat

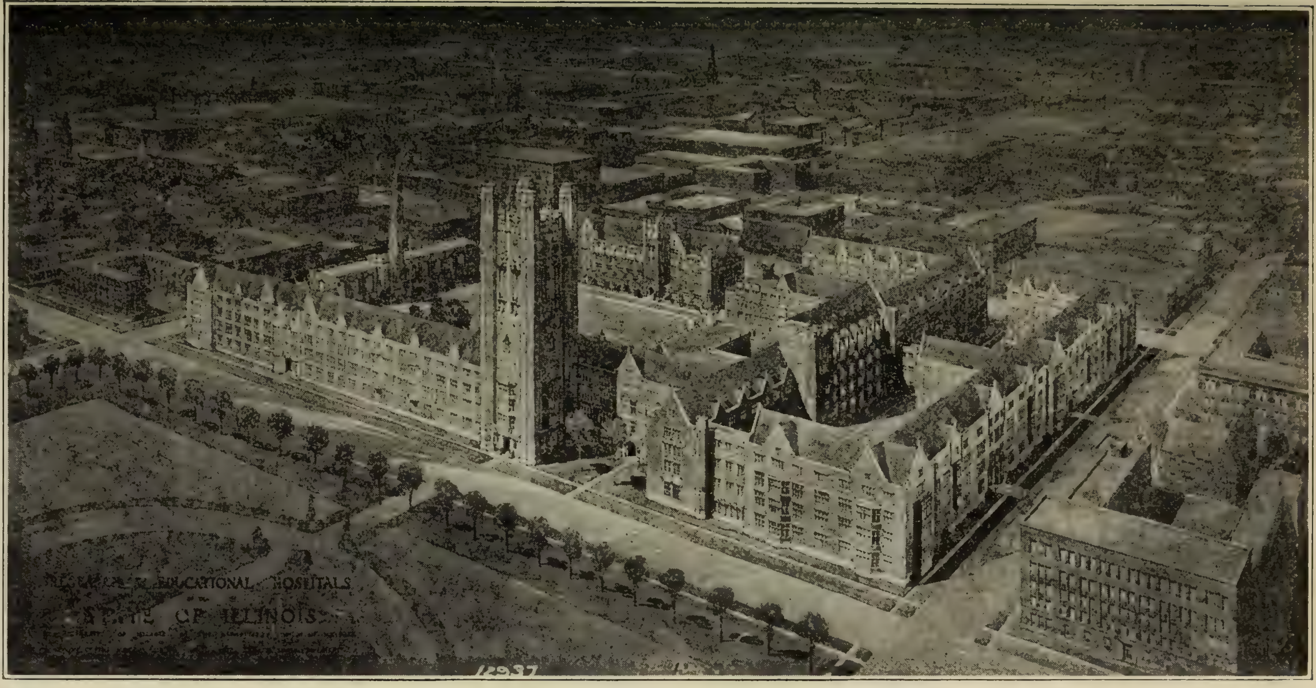
JAMES A. CLARK, M.D.
M. W. BRUCKER, M.D.

Gynecologists

John M. Lang, M.D., Treasurer
F. S. Hartman, M.D.
A. H. Brumback, M.D.
Channing W. Barrett, M.D.
A. N. Clagett, M.D.
S. G. West, M.D.
R. H. Davies, M.D.

Genito-Urinary Surgeons

J. S. Nagel, M.D.


RESEARCH & EDUCATIONAL HOSPITALS
STATE OF ILLINOIS
12937

GROUP PLAN OF RESEARCH AND EDUCATIONAL HOSPITALS

THE COLLEGE OF MEDICINE OF THE UNIVERSITY OF ILLINOIS

GENERAL INFORMATION

BUILDINGS AND EQUIPMENT

The College Building, located in the city block bounded by Harrison, Congress, Honore, and Lincoln Streets, Chicago, consists of a five-story brick and stone structure two hundred feet long by one hundred and ten feet wide, and a three-story brick annex. It contains four lecture rooms, an assembly hall seating seven hundred, a small recitation room, and the laboratories of chemistry, microscopic anatomy, physiology, pathology, bacteriology, pharmacology and therapeutics, operative surgery, experimental medicine, and clinical diagnosis. The laboratories for gross anatomy are located in the Dental Building immediately adjoining the Medical Building.

The laboratories are equipped for both routine instruction and advanced work, with special research facilities. The general equipment includes: refrigerating plant with cooling units in proximity to the several laboratories, each unit consisting of a number of individual compartments with separate control, providing for a range of temperature down to $-5°$ C.; a Crowell blower, supplying compressed and rarefied air to the laboratories of physiology, chemistry, pathology, and pharmacology; a Roentgen laboratory, in which facilities are provided for the X-ray work of the entire school, especially of the dispensary, where it is used for diagnosis and therapeutic purposes; a photographic outfit, equipped for various kinds of work, including photomicrography; a workshop equipped for the repair and construction of apparatus under the supervision of members of the teaching staff; rooms for the housing and care of experimental animals in charge of special caretakers.

CLINICAL FACILITIES

DISPENSARY

The Dispensary is divided into ten departments: medicine, surgery, pediatrics, orthopedics, laryngology, dermatology, ophthalmology, gynecology, neurology, and genitourinary diseases. A total of 27,363 treatments were given in 1923-24; 6,476 new patients were registered during the same period.

Opportunities are afforded the student to examine the cases personally under the guidance of instructors. As far as possible, the student is required to make laboratory examinations pertaining to his own cases. Such examinations as the Wassermann reaction are made by the instructors in the laboratory, but the student has an opportunity to follow these and to learn the technique involved.

CLINICS

In addition to those in the dispensary more than 600 clinics in various hospitals are open to students. The great majority of diseases seen in the temperate zone are demonstrated, and most of the operations of surgery are performed in these clinics.

Fourth-year students are required to examine and diagnose many cases, and under certain conditions may assist in operations.

Cook County Hospital is located within half a block of the College. This institution is the largest charity hospital in America. During the past year it has cared for 59,249 patients. In this hospital is conducted much of the clinical instruction of the College.

Medical appointments in this institution are made each year by the Civil Service Board. The internes, 64 in number, are selected each spring by competitive examinaton. Only graduates of medical colleges of Cook County are eligible for these examinations. The internes serve eighteen months.

The County Morgue is located in the hospital grounds, and daily post-mortems are held by the pathologists of the hospital.

The hospital tickets cost $5.00 each. They are for sale at the office of the Warden. They admit the holders to all clinics and autopsies and to all public operations and lectures.

University Hospital, at Congress and Lincoln streets, opposite the College, contains 104 beds. The directors of the hospital are members of the faculty of the College. Bedside instruction is given, under certain conditions, to small groups of students. No students, excepting those of the College, are admitted to clinical instruction in the hospital.

Clinical instruction to students in small groups, and bedside instruction to those serving as externes, may be given in the following hospitals:

Augustana Hospital, Lincoln and Cleveland avenues, contains 246 beds. Students receive bedside instruction during their service as externes and attend clinics in small groups. The service covers the entire field of surgery and medicine with the exception of contagious diseases.

Michael Reese Hospital, 29th and Ellis avenue, is composed of three separate buildings, the Hospital proper for adults, with 350 beds, the Sarah Morris Hospital for Children, with 125 beds, and the Nelson Morris Institute for Medical Research.

St. Luke's Hospital, 1437 Michigan avenue, has 410 beds, of which 283 may be used for clinical purposes.

Illinois Eye and Ear Infirmary, Peoria and Adams streets, is devoted to the diseases of the eye and ear, including those of the nose and throat. It has accommodations for nearly 200 inpatients. The ambulatory service is the largest in the West of any similar institution. The Infirmary has far outgrown the present building. The number of treatments annually is over 30,000. The material of the Infirmary, representing the greatest variety of major and minor affections of the eye, ear, nose, and throat, is accessible for study to the students of the school.

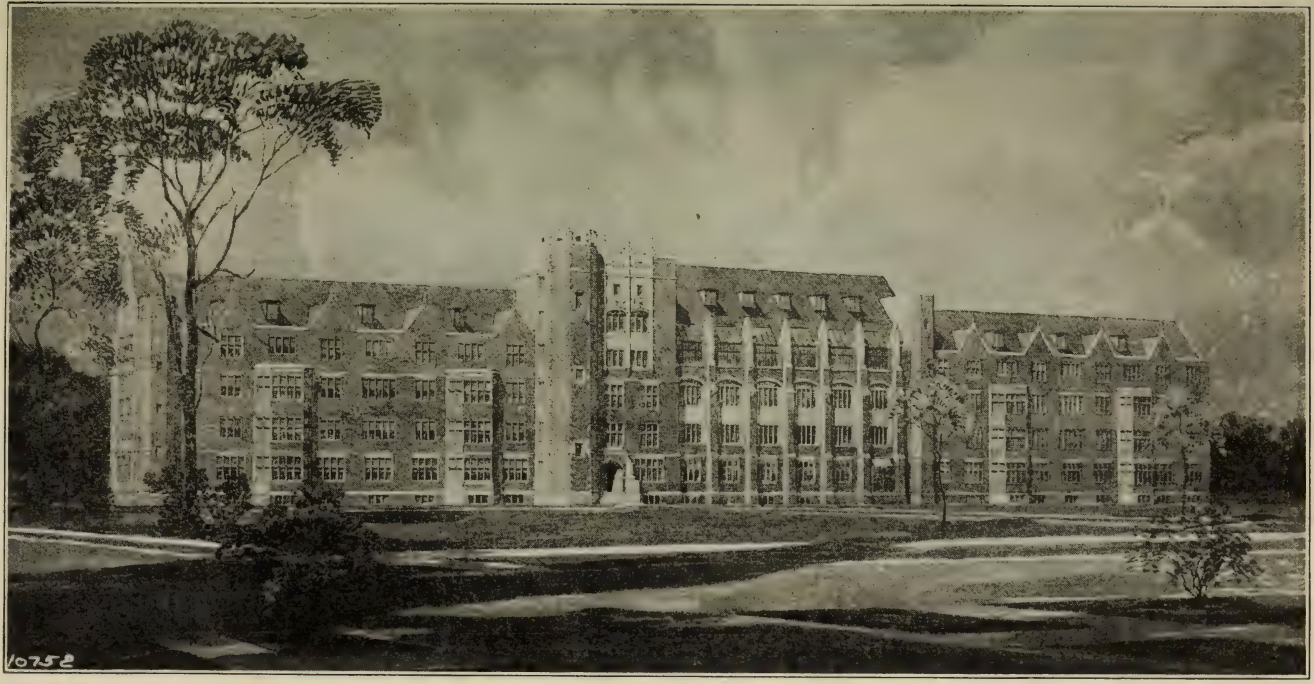
St. Mary of Nazareth Hospital, 1120 N. Leavitt street, has 225 beds.

St. Joseph's Hospital, 2100 Burling street, capacity, 200 beds.

West Side Hospital, 1850 West Harrison street, Chicago, has a capacity of 164 beds, including 6 infant beds.

Grant Hospital of Chicago, 531-559 Grant place, has a capacity of 183 beds, including 45 infant cribs.

St. Elizabeth Hospital, 1443 N. Claremont avenue, has 200 beds, including 35 infant and 18 children's beds.



MAIN BUILDING AS VIEWED FROM THE NORTHWEST
(Research and Educational Hospitals)

Chicago Policlinic Hospital, 219-221 Wy. Chicago avenue, Chicago, has a capacity of 120 beds, including 6 infant beds.

In addition to the above, there are more than sixty public and private hospitals in Chicago, each of which appoints from two to four internes annually.

LIBRARY FACILITIES

The Quine library contains 29,018 bound volumes and a number of reprints, including the standard text-books, works of reference, monographs, and journal files in the fields of medicine, dentistry, and pharmacy. On page 101 will be found a list of the more important files of medical and dental journals. The pharmacy collection occupies part of the main floor of the School of Pharmacy. It contains 4425 volumes and 2525 pamphlets and ranks as one of the largest pharmaceutical libraries in the country. In addition to these two collections many of the departments of the three schools are supplied with working libraries.

ANNOUNCEMENT OF NEW HOSPITAL, RESEARCH LABORATORY, AND LIBRARY FACILITIES

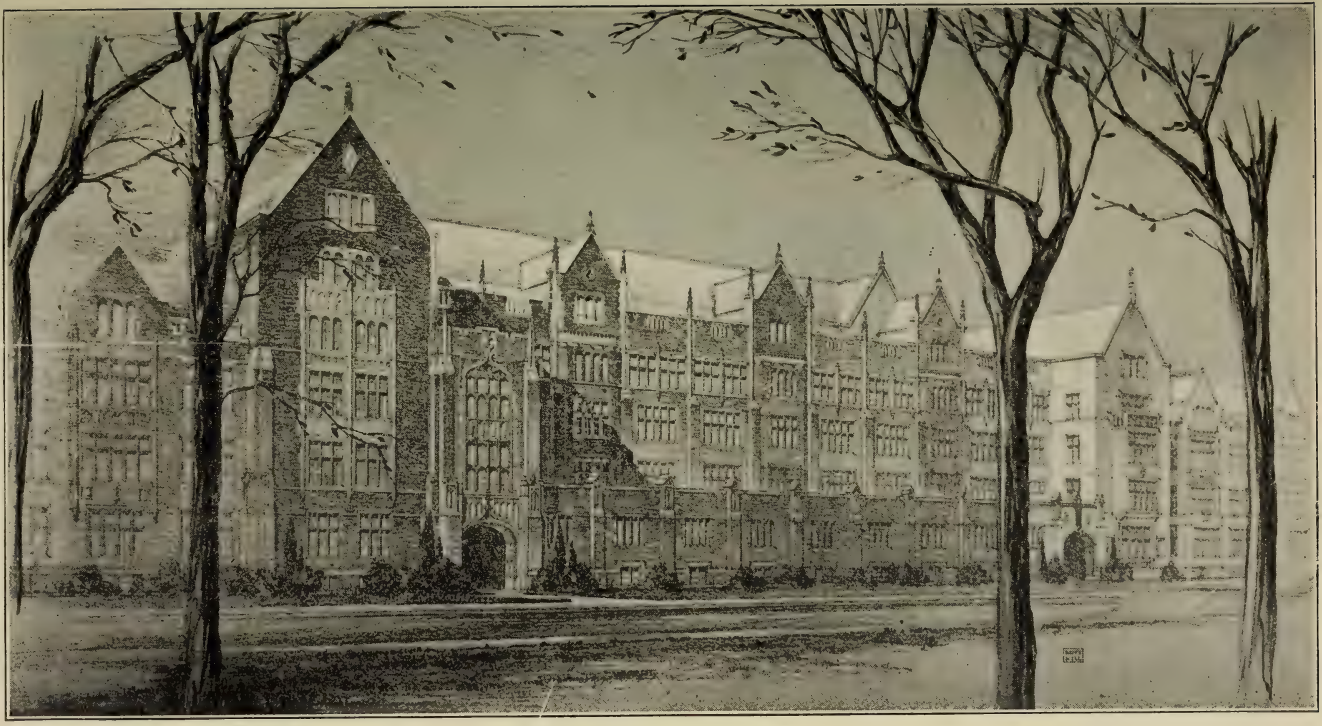
The General Assembly of 1919 appropriated $300,000 for the construction of a Clinical Building. This building will be devoted to the investigation and treatment of those diseases which belong in the fields of general medicine, surgery, obstetrics, and gynecology, but it will not provide for the teaching and investigation which must be developed in connection with the specialties such as crippled and deformed children, the demented and insane, venereal diseases, tuberculosis, cancer, diseases of the eye, ear, nose, and throat, etc.

The purposes of the Clinical Building are clearly set forth by Ex-President James in the following words: "This clinical building will not be a hospital in an ordinary sense at all. It will not undertake to treat the general run of hospital patients. Its facilities will be reserved for 'cases,' that is, for patients whose cases are of interest from the standpoint of medical science and art. Provision will be made for keeping chronic cases of interest and special value for instruction and scientific purposes for a length of time determined solely by the scientific value of the case."

The General Assembly of 1919 also appropriated about $1,000,000 to the State Department of Public Welfare for the construction of a group of Educational hospitals in the city of Chicago, this group to begin with the construction of the Illinois Charitable Eye and Ear Infirmary, a Psychiatric Institute and a Surgical (Orthopedic) Institute for Children. It was imperative that in addition to these special hospitals which would provide for the study of the causes of insanity, the treatment of diseases of the eye, ear, nose, and throat and the surgical treatment of deformed and crippled children, there should be some provision for the study and treatment of many other diseases, such as those of the blood, lymphatics, and ductless glands, together with the diseases of the heart, lungs, stomach and intestines, kidney and bladder. There should be some provision for those who need general surgical aid. There should be also some place for the treatment of women who are afflicted with the many diseases peculiar to the sex. Another great need of the Department of Public Welfare was well-equipped laboratories and extensive libraries. It experienced great difficulty in obtaining high class medical men owing to the lack of these facilities.

It was obvious that the Department of Public Welfare needed just such an Institution as that proposed in the Clinical Building which the University had in contemplation. The University, on the other hand, needed the special hospitals which the Department of Public Welfare was about to erect; moreover, the Department of Public Welfare could provide a site for the Clinical Building which was much superior to that owned by the University.

On the 5th day of July, 1919, the State Department of Public Welfare and the State University agreed to a plan of co-operation and differentiation with the following objects in view: to construct and maintain a great group of hospitals and institutes in the medical center of Chicago where laboratories, libraries, and medical skill could be readily obtained; to provide medical treatment for the indigent sick of the State; to give young men and women a medical education and training such that they would become active soldiers in the warfare for the prevention as well as the cure of disease; to help practicing physicians



RESEARCH LABORATORY

of the State to keep in touch with the latest and best methods of preventing and curing human ailments; to tell the people of the State through special lectures and bulletins how to keep themselves physically efficient. The greatest object of all is to determine the cause of sickness and on the basis of this knowledge institute preventive measures. By this plan of co-operation the College of Medicine will present clinical advantages, the value of which cannot be overestimated.

Under this plan it was necessary that there should be provisions for a laboratory building in connection with the group of hospital buildings.

The General Assembly of 1921 appropriated to the University of Illinois $500,000 for the construction of a Research Laboratory and Library building. This building is connected by corridors in the basement and on the third floor with the main hospital building. It will house the library and research laboratories in the medical sciences. The pharmacology laboratories and the library occupy the first floor, pathology and bacteriology the second, physiological chemistry and physiology the third, anatomy the fourth, and the animal hospital and operating rooms the fifth floor.

This building furnishes the necessary laboratory facilities for investigations in the study of the causation, prevention, and cure of diseases.

ENTRANCE REQUIREMENTS FOR 1924-25

All applications for admission must be made to the Secretary of the College in Chicago at the address of the College of Medicine. No application will be considered unless it is accompanied by complete credentials necessary to determine whether or not the student is eligible for admission. (See statement below with reference to pre-medical students at Urbana.)

For admission to the College of Medicine, candidates must present:

1. Four years' work in an accredited high school or the equivalent, comprising not fewer than 15 units in acceptable subjects, including prescribed subjects as follows:

English	3 units[1]
Algebra	1 unit
Plane geometry	1 unit
Latin, Greek, German, or French (both units in the same language)	2 units
History and civics	1 unit
Electives	7 units
Total	15 units

2. Two years' work in a recognized college or university, comprising not less than 60 semester hours, and including prescribed subjects as follows:

Chemistry (including organic chemistry, 4 semester hours)	12 semester hours[2]
Physics (at least 2 hours of laboratory work)	8 semester hours
Biology (at least 4 hours of laboratory work, see note 1)	8 semester hours
English	6 semester hours
German, French, Spanish, or Italian (see note 2)	6 semester hours
Electives outside of the chemical, physical and biological sciences (see note 3)	6 semester hours
Free electives (see note 3)	14 semester hours
Total	60 semester hours

Note 1: Biology—Four of these 8 semester hours must consist of laboratory work. This requirement may be satisfied by a course of 8 semester hours in either general biology or zoology, or by courses of 4 semester hours each in zoology and botany, but not by botany alone.

Note 2: German, French, Spanish, or Italian—German or French is preferred. The student is strongly urged to secure a reading knowledge of one of these languages. This will ordinarily require at least two years' work in the high school followed by at least 6

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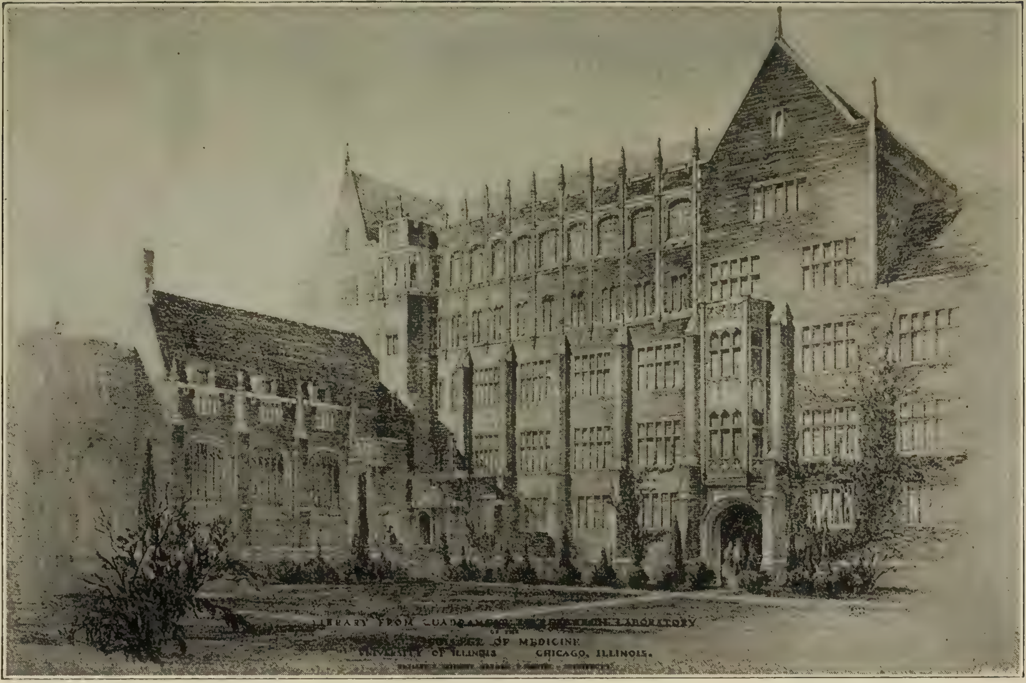
[1] By a *unit* of high-school or academy work is meant a year's work in a single subject; it being understood that the school year shall not be less than 36 weeks in length, that classes shall recite 5 times a week, that the recitation period shall be not less than 40 minutes long, that in science subjects there shall be double periods twice a week, and that double time shall be given in subjects like drawing, manual training, and bookkeeping, in which little or no outside study is required. Since high-school students ordinarily take four subjects at a time throughout the four years of the high-school course, 15 units represent approximately four years of high-school work.

[2] By a *semester hour* of college credit is meant the work of a class meeting one hour once a week for a semester of 18 weeks. Sixty semester hours represent ordinarily two years of college work.


LIBRARY FROM QUADRANGLE [illegible] LABORATORY
OF THE
COLLEGE OF MEDICINE
UNIVERSITY OF ILLINOIS CHICAGO, ILLINOIS.

LIBRARY AND RESEARCH LABORATORY FROM QUADRANGLE

hours' work in the same language in college, or two full years' work (in a class reciting at least 3 periods per week) in college if the language was not begun in the high school, or the equivalent.

Note 3: Electives—As desirable electives the following subjects are suggested: psychology; college algebra and trigonometry; additional English; economics, history, sociology, political science; logic; Latin, Greek; drawing. Among the free electives advanced chemistry, zoology, and botany may be offered.

Students registered in the medical curriculum—The seven-year medical curriculum offered by the University consists of two years of pre-medical work at Urbana, including the subject requirements stated above, two years of pre-clinical work in the College of Medicine in Chicago (for these four years a B.S. degree may be given), two years of clinical work in the College of Medicine at Chicago, and one year as an interne in a hospital approved by the University. The registration of students at Urbana who have completed the requirements of the first two years of the medical curriculum (the pre-medical work) and who have done in residence at the University at least two semesters of such curriculum is continued in the college of Medicine subject to the following conditions:

1. The student who wishes thus to continue his work in the University must signify his intention to the Registrar on a form provided by him not later than March 1 of the year in which he purposes to continue his work in the Chicago department, if he is to complete his pre-medical work in June. If the work is to be completed in the Summer Session, the form referred to must be filed by July 1.
2. The student must comply with the general regulations for registration in the University in the medical course. This includes the payment of fees in advance.
3. A student who is on probation in the University at the time of continuing his University registration in the Chicago departments will be continued on probation.

No conditions are permitted—Canditates for admission who, in June, 1924, will have completed the above requirements except for a few hours in collegiate subjects should plan to make up these deficiencies in full by attendance at summer sessions during the summer of 1924.

HOW THE ENTRANCE REQUIREMENTS MAY BE MET

The high-school requirement may be satisfied either by certificate or by examination.

High-School Credits by Certificate

High-school credits will be accepted by certificate from the following sources:

1. From high schools and academies in the State of Illinois which are accredited to the University of Illinois.
2. From schools accredited by the North Central Association of Colleges and Secondary Schools.
3. From schools accredited to the state universities which are included in the membership of the North Central Association of Colleges and Secondary Schools, provided the Illinois standard time requirements are met.
4. From high schools and academies registered by the Regents of the University of the State of New York.
5. From schools approved by the New England College Entrance Certificate Board.
6. From schools accredited by the Southern Association of Colleges and Secondary Schools.
7. From the state normal schools of Illinois and other state normal schools having equal requirements for graduation.

High-School Credits by Examination

High-school credits may be made by examination:

1. In the examinations conducted by the Registrar of the University of Illinois at the University in Urbana in January, July, and September of each year.

2. In the examinations conducted by the Registrar of the University of Illinois, in Chicago, five times each year, about March 15, June 15, August 25, September 25, and December 15.

3. In the examinations conducted in June of each year by the College Entrance Examination Board.

4. In the examinations conducted by the Regents of the University of the State of New York.

COLLEGE CREDITS

College credits will be accepted *by certificate* from recognized colleges which require for admission the completion of at least 14 units of high-school work in an accredited high school or the full equivalent thereof, and for graduation, in addition, four years of college work; and also from recognized junior colleges and state normal schools.

A letter of honorable dismissal from the last collegiate institution attended is required.

NON-ILLINOIS STUDENTS

On and after September 1, 1922, all applicants for admission to the College of Medicine, if not legal residents of Illinois, must present with their applications for admission, except as special students or students in the Graduate School, satisfactory evidence that they maintained at the school or college from which they would enter the University of Illinois, a scholastic average at least ten points above the passing grade of such school or college. In case of records which are not kept in numerical grades but in literal or other systems of grading, this requirement will be interpreted to mean an average of one grade above the passing grade, e.g., in a system of A, B, C, and D, with D as the passing grade, the average must be C.

RECORD OF MEDICAL WORK

A letter of honorable dismissal and a transcript of the record are required in all cases where there has been attendance in a medical school.

ADMISSION OF UNCLASSIFIED STUDENTS

The general rule of the University with reference to unclassified students applies to the College of Medicine: Persons over twenty-one years of age, *not candidates for a degree*, may, on approval of the Dean, be admitted to classes for which they are prepared.

ADVANCED STANDING

The University will accept scholarship and time credits for work done in medical colleges having standards equal to those of the College of Medicine, in so far as this work coincides with or is the full equivalent of the courses prescribed by the University.

The pre-medical work of the applicant must meet in full the admission requirements for the class which he desires to enter. This will be determined by the evaluation of his credits on the basis of transcripts obtained directly from the schools where they were earned.

The applicant must present a letter of honorable dismissal from, and be eligible for promotion in, the college in which he pursued his medical studies. His record must be of such character as to show a scholastic average at least ten per cent above the passing grade of such college. In case of records which are not kept in numerical grades but in literal or other systems of grading, this requirement will be interpreted to mean an average of one grade above the passing grade, e.g., in a system of A, B, C, and D, with D as the passing grade, the average must be C.

Irregularities due to differences in the curriculums must be satisfactorily adjusted by the student during the first year of his attendance.

REGISTRATION

Students are required to register in the office of the secretary immediately upon the opening of the term for the work of that term, and credit will be allowed only in the branches in which they are registered. Students will be registered in the order in which their fees are paid. Owing to limited space the number of students in each class is restricted to one hundred and twenty-five.

COLLEGIATE YEAR[1]

The collegiate year of 1924-25 consists of a session of thirty-six weeks, beginning October 6, 1924, and ending June 13, 1925. The year is divided into two semesters, of eighteen weeks each. Attendance upon the full session is required in order to secure credit for a year's work, and five years' attendance including a hospital course of not less than twelve months' duration is required for graduation.

FEES AND EXPENSES

Effective on and after September 1, 1922

		Illinois Students	Non-Illinois Students
First Year—	Tuition	$130.00	$165.00
	Laboratory	35.00	35.00
	Total	(165.00)	(200.00)
Second Year—	Tuition	130.00	165.00
	Laboratory	35.00	35.00
	Total	(165.00)	(200.00)
Third Year—	Tuition	160.00	195.00
	Laboratory	5.00	5.00
	Total	(165.00)	(200.00)
Fourth Year—	Tuition	165.00	200.00
	Total	(165.00)	(200.00)
	Grand Total	$660.00	$800.00

Students entering the University for the first time will be charged a matriculation fee of ten dollars, in addition to the above.

A late registration fee of one dollar will be charged to students who do not present themselves for the payment of fees on the dates designated in the College calendar.

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[1] The term "year" in this schedule of fees refers to a period of instruction covering two terms of eighteen weeks each or the equivalent thereof.

All students taking Gross Anatomy are required to make a deposit of $10.00 for the use of a disarticulated skeleton. This deposit is returned to the student at the end of the year upon the return of the material.

The Trustees reserve the right to change the fees at any time through publication in the annual announcement.

ADDITIONAL FEES

Diploma, $10.00. Copy of original transcript of record, $1.00; for each carbon copy of same, fifty cents.[1]

NOTE.—County Hospital ticket, $5.00. Maternity Fee, Chicago Lying-In Hospital, $15.00.

All fees are payable in advance. The entire matriculation and laboratory fees are due and must be paid during the registration days of the first semester, together with one-half of the general fee. The remainder of the general fee is due and payable on the registration days of the second semester.

Exceptions to this rule will be made only with the approval of the proper administrative officer.

There are no fees for special courses or quizzes. No members of the instructional staff are allowed to accept special fees.

In case a student withdraws from the school within ten days after the beginning of the instruction the total amount of his fees except the matriculation fee will be refunded. After ten days and before the expiration of one month a refund of three-fourths of the tuition and laboratory fees will be made. After one month and before the expiration of two months a refund of one-half of these fees will be made. After two months and before the expiration of three months a refund of one-fourth of the fees will be made. After the expiration of three months no part of the fees paid will be refunded.

Fees charged unclassified students are based on the amount of work taken.

Alumni are admitted to all regular courses, without charges, except in laboratory work, in which a charge is made for material actually used.

Each student is required to provide himself with a compound microscope equipped to meet the requirements of the work of the curriculum.

LIVING EXPENSES

The expenses of living in Chicago are less than in most other large cities. From forty to fifty dollars per month may be regarded as adequate for the ordinary living expenses of a student exclusive of books, clothing, railroad fare, and miscellaneous needs.

The expense for books varies between $25.00 and $50.00 a year. The instructors at the beginning of each course direct their students in regard to the purchase of text-books.

SCHOLARSHIPS AND FELLOWSHIPS

REA SCHOLARSHIPS

Through the generosity of the late Professor R. L. Rea a fund has been provided for scholarships each year for worthy students. These scholarships are awarded annually by the officers of the Faculty.

For the session of 1923-24, they were granted to the following students:

J. E. FAIRCHILD
OTTO V. PAWLISCH
JOSEPH RUBENSTEIN
ROY T. SUGARS

METHODIST EPISCOPAL SCHOLARSHIP

The Northwestern Branch of the Women's Foreign Missionary Society of the Methodist Episcopal Church has established a scholarship in the College of Medicine known as the "Emily W. L. Schofield Scholarship."

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[1] Each student is entitled to one transcript of record, without a fee, but he must pay for extras in the way of carbon copies supplied with the original transcript or for second request for the original.

This scholarship covers all fees of the person holding it. Appointment is made by the Society and further information concerning the scholarship can be secured through the Society's Chicago office.

OTHER UNDERGRADUATE SCHOLARSHIPS

(For circulars giving more detailed information concerning scholarships, apply to the Registrar of the University, Urbana.)

The following undergraduate scholarships relieve the holder of the payment of the matriculation and tuition fees:

County Scholarships—One for each county. The holder is selected by competitive examinations.

General Assembly Scholarships—One nomination annually by each member of the General Assembly. Under the law, nominations must be received by the President of the University not later than the first Monday in July of the year in which the scholarship is to become effective.

State Military Scholarships—For World War Veterans. Special provision passed by the General Assembly of 1919.

COURSES OFFERED

The student is offered his choice of the following courses:

1. A course of nine years—four in the College of Liberal Arts and Sciences at Urbana, leading to the degree of Bachelor of Arts, followed by five years in the College of Medicine in Chicago, leading to the degree of Doctor of Medicine. This course of study is recommended to young men who can afford the time for it, and who are of the average age of graduation from the public high schools.

2. An eight-year course—three years in the College of Liberal Arts and Sciences at Urbana, followed by five years in the College of Medicine in Chicago. Students taking this course are permitted, at the end of their first year in the College of Medicine, to transfer credits in the medical sciences to complete the requirements for graduation of the College of Liberal Arts and Sciences, and receive the degree of Bachelor of Arts. On the completion of five years in the College of Medicine they receive the degree of Doctor of Medicine.

3. A seven-year course—two years in a recognized college of liberal arts and sciences followed by five years in the College of Medicine. The work of the first two years must include certain prescribed subjects. On the satisfactory completion of the first two years in the College of Medicine, these students receive the degree of Bachelor of Science, and on the completion of the five years in the College of Medicine, they receive the degree of Doctor of Medicine. The two years of work in arts and sciences required for admission to the College of Medicine may be taken in the College of Liberal Arts and Sciences at Urbana.

THE COURSE IN THE COLLEGE OF MEDICINE

REQUIREMENTS FOR GRADUATION

A candidate for graduation from the College of Medicine of the University of Illinois must meet the following requirements:

1. He must have presented acceptable evidence of good moral character.

2. He must have paid all indebtedness to the college.

For the B.S. degree:

3. He must have satisfactorily completed the first two years of the prescribed curriculum of the College of Medicine. He must have attained grades of C or above in subjects aggregating at least three-fourths of the work of these years.

For the M.D. degree:

3. He must have satisfactorily completed the prescribed curriculum of the College of Medicine, comprising four years, of thirty-four weeks each, and in addition must have satisfactorily completed a hospital course of not less than twelve months' duration in a hospital affiliated with or approved by the University of Illinois, or a year of research.

GENERAL PLAN OF INSTRUCTION

During the first two years the work is, in the main, confined to the sciences fundamental to the practice of medicine, and the time of the student is largely devoted to laboratory work; during the first year, this consists of work in anatomy, chemistry, embryology, histology, and physiology. During the second year the study of anatomy and physiology is continued and in addition the student takes up bacteriology, laboratory diagnosis, operative surgery, pathology, materia medica, pharmacology, therapeutics, and hygiene.

During the third and fourth years the time is largely devoted to the various clinical branches, emphasis being given to practical instruction in dispensary and hospital clinics.

The fifth year consists of a twelve months' interne service in a hospital affiliated with or approved by the University. Research work may be substituted for the hospital work of the fifth year.

Students are prohibited from doing work that interferes in *any way* with the fulfillment of the requirements of the curriculum. Unofficial clinical work may not be substituted for the official clinical requirements of the curriculum.

ADMISSION TO LICENSING EXAMINATIONS IN ENGLAND

On the recommendation of the Committee of Management of the Examining Board in England, the Royal College of Physicians and Surgeons has added the University of Illinois to the list of universities whose medical departments are recognized by that Board. By this action, graduates of this institution are exempted from all preliminary examinations and admitted to the final licensing examination of the Examining Board.

MEMORIAL LECTURESHIP

In commemoration of members of the Alumni, Faculty, and Student Body who lost their lives during the World War, the Alumni, Faculty, and Students have raised a fund sufficient to establish a Memorial Lectureship. It is proposed to have at least one lecture delivered annually by a prominent educator on a subject of general medical interest. Merritt W. Ireland, M.D., Surgeon-General of the United States, delivered an address on Medico-Military Preparedness at the annual meeting of the alumni association, Wednesday evening, June 11, 1924.

ADOLPH GEHRMANN LECTURESHIP

In accordance with the will of Mrs. Albertina Gehrmann, widow of the late Adolph Gehrmann, for many years Professor of Bacteriology and Hygiene in the College of Medicine, the sum of $10,000 was given for the establishment and support of a Lectureship in the College of Medicine of the University of Illinois, in memory of Dr. Gehrmann.

CHANGES IN CURRICULUM

The curriculum has been and is being further modified, with the following objects in view: (1) To enable students to meet the varying requirements of the curriculums established by the various state examining boards; (2) to afford the student an opportunity to participate to a great degree in his own training; (3) to enable students who contemplate a career in teaching or research to come more intimately in contact with research aims and methods. The changes that have been made in the curriculum of the first two years are indicated under electives. Further changes in the curriculum will be announced before the opening of the school year of 1924-25.

Electives

In the second semester of the second year, the student is required to elect six hours per week from the courses offered by the pre-clinical departments. If the student has a satisfactory scholarship record, and can satisfy the head of a respective department as to his ability to pursue a definite line of endeavor, he may be permitted to register in the graduate school for one unit of work.

In the third year, one hour of elective work per week is required if the regular curriculum is pursued. By a reduction in the required hours in certain of the prescribed subjects, ninety-six hours of elective work may be taken in each semester. This work may be either in pre-clinical or clinical subjects. A student may in this way emphasize his training in some particular subject or subjects. The elective may be counted for graduate credit provided the student registers in a department represented on the graduate faculty, and can satisfy the head of the respective department as to his ability to pursue the work he proposes to undertake.

In the fourth year, the student must elect four hours of work per week from the optional subjects and at least one hour of these electives must be selected from the optional subjects in surgery.

Examinations

General examinations are held in all subjects at the end of each term during the week set apart for this purpose.

Special examinations for the removal of failures are held during the week preceding the next collegiate year. These examinations may be had only upon the recommendation of the head of the department concerned and with the approval of the Dean. Evidence of actual additional work done in a subject must be presented before permission is granted for a special examination. Only one such examination in a given subject will be permitted. For all such examinations, a formal permit must be obtained and a fee of five dollars be paid in advance.

Special examinations may not be taken for the purpose of raising grades in courses in which a student has already credit.

Absences from examinations count as failures unless they occur for satisfactory reasons, in which case the student may be examined subsequently, provided permission for such examination be granted by the Dean.

GRADES

The system of grading is as follows: A, excellent; B, good; C, fair; D, poor (but passing); E, failure. A "failure" can be removed only by repetition of the course in an approved institution or by special examination, given by a committee from the department concerned.

PROMOTIONS

Failure to the extent of 100 hours may be carried from the first (Freshman) year into the second (Sophomore) year or from the second (Sophomore) year to the third (Junior) year. No failures of the third (Junior) year may be carried into the fourth (Senior) year. No failure may be carried from the fourth (Senior) year into the fifth (Interne) year.

When failures are made up in a course, the number of hours of such failures shall be deducted from the total number of hours of the regular work for the semester.

REFUSAL OF FURTHER REGISTRATION ON ACCOUNT OF POOR SCHOLARSHIP

A student, who, in any semester, receives failures in one-half the total number of hours in his course, shall be refused further registration in the College of Medicine.

GRADES FOR DEGREE OF BACHELOR OF SCIENCE

Grades of not less than C in subjects aggregating at least three-fourths of the work in the first two years of the curriculum are required for the Degree of Bachelor of Science.

REPORTS

Reports on scholarship and attendance are mailed to all students as soon as possible after the end of each term.

CORRESPONDENCE

Address all correspondence to

THE SECRETARY OF THE COLLEGE OF MEDICINE
UNIVERSITY OF ILLINOIS

CONGRESS AND HONORE STREETS
CHICAGO

DESCRIPTION OF COURSES IN MEDICINE[1]

ANATOMY, HISTOLOGY, EMBRYOLOGY

Albert Chauncey Eycleshymer, Ph.D., M.D., *Professor and Head of the Department*
Victor Emanuel Emmel, Ph.D., *Professor*
Roy Lee Moodie, Ph.D., *Associate Professor*
Arthur Reuben Cooper, Ph.D., *Assistant Professor*
Oscar Eugene Nadeau, B.S., M.D., *Associate*
Dennis Rider Wood Crile, B.S., M.D., *Instructor*
Samuel Jacob Burrows, M.D., *Instructor*
Harold L. Weatherford, A.B., *Instructor*
Anatole Kolodny, M.D., *Instructor*
Thomas Smith Jones, B.F.A., *Artist and Instructor*
Adeline Rawson White, B.L., M.D., *Assistant*
Yngve Joranson, A.B., B.S., M.D., *Assistant*
Theodore August Rost, B.S., M.D., *Assistant*
John W. Brennan, M.D., *Assistant*
Bess Lucile Lloyd, M.S., *Instructor*
David Solomon Beilin, B.S., M.D., *Assistant*
Samuel J. Burrows, M.D., *Assistant*
Mary Louise Dixon, A.B., *Artist*
Louis N. Boelio, *Technician*
George Miller, *Technician*
Beulah Marks, *Technician*
Adolph Hammer, *Director of Plastic Studio*

General Statement

The laboratories for gross anatomy comprise two dissecting rooms and a number of smaller rooms for embalming, storing, and prosecting. A plastic studio is situated adjacent to the dissecting room and is available for anatomical reconstruction work and the use of models for teaching purposes. The laboratories for histology and embryology, together with the offices and research laboratories, are situated on the third and fourth floors of the Medical Building. The equipment includes apparatus for embalming, sectioning, macerating, corroding, and digesting; microtomes, microscopes, paraffin ovens, drawing apparatus, chemicals, glassware, and Grübler stains. A small museum contains special dissections, osteological preparations, and models; sets of histological, neurological, and embryological slides; charts, lantern slides, and other teaching accessories. The departmental library contains the standard texts and about two thousand five hundred special monographs. All the English, German, and French anatomical journals are received. The Crerar Library is readily accessible and makes it possible to consult practically the whole literature of anatomy, biology, and zoology.

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[1] The Arabic numerals preceding the captions indicate the number of the courses. Courses numbered with the letter X following the numeral, are optional subjects in which 1 hour of work per week per semester is required in the third year and 3 hours in the fourth year. Unless otherwise specifically stated, the Arabic numerals following the descriptions of courses indicate the number of one-hour periods. The Roman numerals *I* and *II* indicate the number of semesters over which the course extends.

REQUIRED COURSES—FIRST YEAR

22. **Embryology.**—Ovogenesis and spermatogenesis, maturation, ovulation and its relation to menstruation, fertilization, segmentation, gastrulation, formation, and significance of germinal layers; formation of foetal envelopes and placenta; organs, and systems of organs; congenital malformations. Lectures and recitations; 1: laboratory; 2 two-hour periods. *I (first half).* Professor EYCLESHYMER, Assistant Professor COOPER

23. **Cytology, Histology, and Microscopic Anatomy.**—Animal cells; modified cells in blood and lymph, epithelial, connective, muscular, and nervous tissues, and their relationships in the body. Lectures and recitations; 3: laboratory; 3 three-hour periods. *I.* Professor EYCLESHYMER, Assistant Professor COOPER

26. **Neurology.**—The gross and microscopic anatomy of the brain, spinal cord, and organs of special sense. Lectures and recitations; 1: laboratory; 2 two-hour periods. *I (second half).* Professor EYCLESHYMER, Assistant Professor COOPER

27-28. **Regional and Systematic Anatomy.**—Complete dissection of the human body: (1) Superior and inferior extremities, (2) thorax and abdomen, (3) the head and neck. Anatomical structure, functional significance, regional relationship of surgical and clinical importance, and structural variation of the component organs and systems. Lectures and recitations; 1: laboratory; 2 four-hour periods. *II.*
Professor EMMEL, instructors, and assistants

REQUIRED COURSES—SECOND YEAR

31. **Topographical Anatomy.**—Topography and relations of the various regions, systems, and organs of the body. Lectures and recitations; 2: laboratory; 2 three-hour periods. *I.* Dr. CRILE and assistants

Applied and Surgical Anatomy.—(See department of surgery.)

OPTIONAL COURSES

50. **Microscopical Technic.**—Preparation of objects; injecting blood vessels and lymphatics; maceration, digestion, and corrosion; decalcification, fixation of tissues, embedding, sectioning, staining, and mounting. Mr. BOELIO

53. **Medical Illustrating.**—Drawing, including perspective; values and their adaptation to the representation of medical subjects; normal and pathological specimens, both gross and microscopic; media adopted for representing certain conditions and structures, and for special methods of reproduction, such as line work, half tone, and lithography. Mr. JONES

56. **Embryology and Histogenesis.**—The structural changes in the principal tissues and their cellular elements during growth; changes in the structure of cells during senescence. Professor EYCLESHYMER

59. **Haematology.**—An intensive study of the blood and blood-forming organs in relation to cytological structure, histogenesis, functional correlations, and current haematological problems. Professor EMMEL

COURSES PREPARATORY TO SPECIALIZATION

(Special Fee)

62. a. **The Eye.**
    b. **The Ear.**
    c. **Mouth, Nose, and Throat.**
    d. **The Thorax and Abdomen.**
    e. **The Genito-Urinary System.**
    f. **Pelvic Anatomy.**
    g. **The Extremities,** especially the joints and their mechanism.
    h. **The Brain and Spinal Chord.**

Research.—Physicians who desire to do research and students who have had three years of university training are invited to begin research work in this department. A reading knowledge of French and German is essential.

65-66. Seminar.—Critical reviews of recent anatomical literature; preparation of bibliographies and of scientific papers for publication. Presentation and discussion of the results of investigations.

COURSES FOR GRADUATES

101. Histogenesis.—The structural changes in tissues and their elements, which are directly correlated with normal processes, such as growth, activity, rest, fatigue, senility. *One or two units.* Professor EYCLESHYMER, Professor EMMEL

103. Individual Research in Embryology and Histogenesis.—*One or two units.* Professor EYCLESHYMER, Professor EMMEL

DERMATOLOGY

FRANCIS EUGENE SENEAR, B.S., M.D., *Professor and Head of the Department*
HARRY W. FINK, B.S., M.D., *Instructor*
MAX S. WIEN, B.S., M.D., *Instructor*
LEONARD F. WEBER, M.D., *Instructor*
HENRY DAVID COHEN, B.S., M.D., *Assistant*

REQUIRED COURSES—FOURTH YEAR

1. Practice.—Lectures, 1. *I.* Professor SENEAR

5. Clinic.—1. *II.* Professor SENEAR

9-10. Clinic.—College Dispensary. In sections. 3 one-hour periods *(three weeks). II.* Professor SENEAR, Dr. FINK, Dr. WIEN, Dr. WEBER, Dr. COHEN

HYGIENE, SOCIAL HYGIENE, CRIMINOLOGY, AND MEDICAL JURISPRUDENCE

HERMAN MORRIS ADLER, A.M., M.D., *Professor of Criminology and Head of the Department*
ELMER DEWITT BROTHERS, M.S., LL.B., *Lecturer in Medical Jurisprudence*
MATTHEW MILLS, LL.B., *Alternate Lecturer in Medical Jurisprudence*
DAVID M. LEVY, A.B., M.D., *Instructor*
HENRY C. BECKER, M.D.V., *Assistant*

Required Course—Second and Fourth Years

4. Hygiene and Public Health.—General etiology, immunity, contagious diseases, epidemiology, and preventive medicine; organization of health departments and the work of the divisions of the same; vital statistics, inspection of schools and factories; sanitation; food supply and control; public welfare. Lectures and practical work. 3½ hours per week. *I.* Dr. Becker

Required Course—Third Year

6. Medical Jurisprudence.—The principles of law governing individual and professional rights and obligations; responsibilities arising from the relation of physician and patient; confidential character and inviolability of such relation; medical laws of various states. Lectures, 1. *I.* Mr. Brothers

LARYNGOLOGY, RHINOLOGY, AND OTOLOGY

Norval Harvey Pierce, M.D., *Professor and Head of the Department*
Joseph Clar Beck, M.D., *Associate Professor*
Edward Francis Garraghan, A.M., M.D., *Associate*
Walter Henry Theobald, B.S., M.D., *Associate*
Jacques Holinger, M.D., *Associate*
Charles Francis Yerger, Ph.G., M.D., *Associate*
Francis Loeffler Lederer, B.S., M.D., *Instructor*
Jesse Henry Roth, M.S., M.D., *Assistant*
John Joseph Theobald, B.S., M.D., *Assistant*
Philip Herman Wolfram, B.S., M.D., *Assistant*

General Statement

The fundamentals of diseases of the nose, throat, and ear based on anatomy, physiology, and pathology of these organs, and the clinical manifestations of their more common diseases furnish the basis of the work in this department. Stress will be laid on the relationship of these special organs to the body as a whole in health and disease. Teaching will be facilitated by laboratory studies of Bezold's large models of the ear, macerated specimens of the nose, throat, and ear, by lantern slides and stereoptic demonstrations, and by actual examination of individuals in the out-patient department and in the hospital.

Required Courses—Third Year

3. Practice.—The surgical anatomy, physiology, and pathology of the ear, nose, and throat. 1. *I.* Professor Pierce and Associate Professor Beck

7. Clinic.—Illinois Eye and Ear Infirmary. Diseases of the ear, nose, and throat. In sections. 1. *I. (eight weeks).* Professor Pierce

11. Practice.—The diseases of the throat and nose. 1 *(ten weeks). I.* Professor Pierce

14-15. Clinic.—College Dispensary. In sections. 3 *(three weeks). II.*

Professor Pierce, Dr. Garraghan, Dr. Theobald, Dr. Yerger, Dr. Lederer, Dr. Roth, Dr. Wolfram

MEDICINE

Charles Spencer Williamson, M.S., M.D., *Professor and Head of the Department*

DIVISION OF INTERNAL MEDICINE

Charles Spencer Williamson, M.S., M.D., *Professor*
Frederick Tice, M.D., *Professor*

Maurice Louis Goodkind, M.D., *Professor*
Joseph McIntyre Patton, M.D., *Professor*
Arthur Richard Elliott, M.D., C.M., *Professor*
Frank Smithies, M.D., *Professor*
Edward Louis Heintz, Ph.G., M.D., LL.D., *Associate Professor*
Maurice Lewison, M.D., *Associate Professor*
John Weatherson, C.E., M.D., *Associate Professor*
Sidney Strauss, A.B., M.D., *Associate Professor*
Ernest Sisson Moore, Ph.B., M.D., *Associate Professor*
Frank Chauvet, M.D., *Associate Professor*
William Joseph Quigley, B.S., M.D., *Assistant Professor*
Anders Frick, M.S., M.D., *Assistant Professor*
John Mathew Krasa, M.D., *Associate*
Franklin S. Wilson, Ph.G., M.D., *Associate*
Frank Joseph Jirka, M.D., *Associate*
Clarence J. McMullen, M.D., *Associate*
Lloyd La Verne Ely, M.D., *Instructor*
Frank Max Wittelle, B.S., M.D., *Instructor*
Leo Louis Hardt, M.S., M.D., *Instructor*
Alvah Lewis Sawyer, M.D., *Instructor*
John Baptist Cipriani, M.D., *Instructor*
Duane Willard Propst, A.B., B.S., M.D., *Instructor*
Jacob Meyer, M.S., M.D., *Instructor*
Edmund F. Foley, B.S., M.D., *Instructor*
Thaddeus Leopold Bradel, B.S., M.D., *Assistant*
Frank B. Lusk, A.M., M.D., *Assistant*
I. A. Rabens, M.S., M.D., *Assistant*
Harold Norris Ets, B.S., *Assistant*
Ben Zion Rappaport, B.S., M.D., *Assistant*
Deane Francis Brooke, M.D., *Assistant*
Joseph Greengard, B.S., *Assistant*
Ellis B. Freilich, M.D., *Assistant*
Theodore Ross Van Pelt, B.S., M.D., *Assistant*
Charles Edwin Blomtren, B.S., M.D., *Assistant*

General Statement

The work in this department begins in the second year and extends through the third and fourth years. In the second year the student begins his work in internal medicine with the study of physical diagnosis on the normal subject. This is followed by the study of pathological cases. The class is divided into small groups, so that the instruction is individual.

Coincident with the above work, the student takes up the study of laboratory diagnosis. A course in this subject lays the foundation for the practical clinical work in the dispensary, which begins in the third year and is carried through the fourth year.

In the third year instruction is carried on partly by means of conferences and recitations and partly by clinics. This division of work enables the student not only to obtain systematic instruction in the fundamentals of internal medicine but also to see clinical cases presented, bearing directly on this systematic instruction. At the same time he has opportunity to come into intimate contact with patients and to examine them in the dispensary under supervision. Stress is laid upon the student's personal examination and treatment of the cases.

In the fourth year instruction is carried on partly by means of conferences with group quizzes on the topics covered. This is a continuation of the work in the third year. A large part of the work, however, is clinical and is given not only in the College but in the Cook County, University, St. Luke's, and Augustana Hospitals. In addition, practical work is given in the dispensary in the various medical specialties. Special emphasis is laid upon the clnical work in small groups.

Required Course—Second Year

2a-2b. Physical Diagnosis.—(a) Lectures, 1. *I.* (b) Practical drill on normal subjects; given to small sections of the class. 1 two-hour period. *I.*
Associate Professor Lewison, Associate Professor Chauvet

Required Courses—Third Year

27-28. Clinic.—Dispensary. Practical work on out-patients. Practically every variety of disease of an ambulatory nature common to the temperate zone may be seen here. In sections. 3 two-hour periods *(three weeks)*. *II.*

Associate Professor Moore, Dr. Wilson, Dr. Meyer, Dr. Jirka, Dr. Wittelle, Dr. Foley, Dr. Van Pelt

9. Practice.—General survey of the important diseases as a working basis preparatory for the clinical courses. Conferences and recitations. 4. *II.*
Associate Professor Heintz, Dr. Krasa, Dr. Cipriani, Dr. Sawyer, Dr. Propst

13. Clinic.—University Hospital Amphitheater. Selected topics. 1 two-hour period. *I.*
Associate Professor Heintz

15. Clinic.—Cook County Hospital Amphitheater. Selected topics. 1 two-hour period. *I.* Assistant Professor Quigley

23. Physical Diagnosis Clinic.—Cook County Hospital, tuberculosis wards. To small groups. 1. *I.* Associate Professor Lewison, Associate Professor Chauvet

Required Courses—Fourth Year

31-32. Practice.—Continuation of course of study of previous year; subject elaborated and amplified in conjunction with the clinical work. Lectures illustrated by pathological specimens, charts, and lantern slides; conferences. 4, *I;* 2, *I.*
Lectures, Professor Williamson, Professor Tice
Conferences and recitations, Associate Professor Weatherson

35. Clinic.—Cook County Hospital Amphitheater. Selected topics. 1 two-hour period. *I.* Professor Williamson

37. Clinic.—Cook County Hospital Amphitheater. Selected topics. 1 two-hour period. *I.* Professor Tice

39. Clinic.—Cook County Hospital Amphitheater. Selected topics. 1 two-hour period. *I.* Associate Professor Strauss

41. Clinic.—St. Luke's Hospital. 1 two-hour period. *I.* Professor Elliott

47. Clinic.—Michael Reese Hospital. 1 one-hour period. *I.* Professor Goodkind

49-51. Seminar.—Work in co-operation with the department of surgery and obstetrics. The student receives 48 hours credit, 16 in each department, although the work is done only in one department. The entire class is divided into three groups and each of these again into five sub-groups. During the first semester the groups meet informally and abstracts are prepared and submitted for criticism. During the second semester each group is assigned one hour in which to present its work before the entire class. Professor WILLIAMSON, Professor HESS, Associate Professor MOORE

OPTIONAL COURSES—THIRD YEAR

1-X. Tuberculosis. Associate Professor CHAUVET

2-X. Tuberculosis of the Lymphatic System. ____________________

OPTIONAL COURSES—FOURTH YEAR

3-X. Diseases of the Blood. *(Eight Weeks.)* Associate Professor MOORE

4-X. Diseases of the Blood (Continued). *(Eight Weeks.)* Associate Professor MOORE

5-X. Diseases of the Heart. Associate Professor STRAUSS

6-X. Diseases of Pancreas and Intestines. Associate Professor SMITHIES

7-X. Principles of Medicine, Review Course.

DIVISION OF PEDIATRICS

JULIUS HAYES HESS, M.D., *Professor and Head of the Division*
HENRY EUGENE IRISH, M.D., *Associate Professor*
MAURICE LAMM BLATT, M.D., *Associate Professor*
LESTER EDWARD BOWER, A.B., M.D., *Assistant Professor*
SOLOMON MAXWELL GOLDBERGER, M.D., *Associate*
ISADOR MICHAEL LEVIN, A.S., B.S., M.D., *Associate*
JOSEPH K. CALVIN, B.S., M.D., *Associate*
PHILIP ROSENBLUM, M.D., *Instructor*
MAXWELL P. BOROVSKY, B.S., M.D., *Instructor*
ROBERT LUDWICK FURBY, M.D., *Instructor*
ISRAEL LYTTON SHERRY, B.S., M.D., *Instructor*
MAX E. ENGERMAN, B.S., M.D., *Assistant*
LOUIS J. WISCH, M.D., *Assistant*
GUY LEON WAGONER, B.S., M.D., *Assistant*
CARL COHEN, B.S., M.D., *Assistant*
IRIS MCKY CHAMBERLAIN, M.D., *Assistant*

GENERAL STATEMENT

The work in pediatrics is given in the third and fourth years. So far as possible the course is one of individual instruction, the class being divided into small groups for clinical work.

REQUIRED COURSES—THIRD YEAR

1. Practice and Clinic.—Nutrition and nutritional disturbances in infancy. Lectures; clinical conferences. 1 *I*. Professor HESS

4. Practice.—Recitations. 1. *I*. Associate Professor IRISH and assistants

7. Clinic.—Cook County Hospital. Physical diagnosis and demonstration of cases. In groups. 2 *(four weeks). I.* Associate Professor Irish

9. Clinic.—Cook County Hospital. Contagious diseases. In groups. 2 *(four weeks). I.* Assistant Professor Bower

Required Courses—Fourth Year

11. Clinic.—Cook County Hospital. Contagious diseases. In groups. 2 *(four weeks). I.* Assistant Professor Bower

15-16. Clinic.—Dispensary. In sections. 3 two-hour periods *(three weeks). II.* Dispensary Staff

19. Clinic.—Cook County Hospital. In groups. 1 two-hour period. *I.* Professor Hess

21. Clinic.—Cook County Hospital. In groups. 1 two-hour period *(four weeks). I.* Associate Professor Blatt

23. Clinic.—Michael Reese Hospital. In groups. 1 one-hour period *(eight weeks). I.* Professor Hess

DIVISIONS OF NEUROLOGY AND PSYCHIATRY

H. Douglas Singer, M.D., *Professor of Psychiatry and Head of the Divisions*
George Boris Hassin, M.D., *Associate Professor of Neurology*
Haim I. Davis, M.D., *Associate Professor of Psychiatry*
Charles F. Read, B.S., M.D., *Assistant Professor of Psychiatry*
Isadore B. Diamond, M.D., *Assistant Professor of Neurology*
Harold Stacy Hulbert, M.D., *Associate in Neurology*

3-4. Practice and Clinic.—Dispensary and Cook County Hospital. Lectures, demonstrations, examinations, and diagnosis. In sections. 6 two-hour periods *(seven and one-half weeks). I.* 1 two-hour period. *I.*

Professor Singer, Associate Professor Hassin, Assistant Professor Read, Assistant Professor Truitt, Assistant Professor Diamond, Dr. Hulbert

DIVISION OF ROENTGENOLOGY

Adolph Hartung, M.D., *Assistant Professor*
Joseph J. Litschgi, M.D., *Instructor*
Emelia J. Giryotas, *Technician*

Required Course—Fourth Year

4. Practice and Demonstration.—College. The use of the X-ray in medicine and surgery. 4 one-hour periods. *I.* Assistant Professor Hartung

DIVISION OF HISTORY OF MEDICINE

Bernard John Cigrand, M.S., D.D.S., *Lecturer*

Optional Course—Fourth Year

51. Lectures.—1. *I.*

OBSTETRICS AND GYNECOLOGY

Charles Sumner Bacon, Ph.B., M.D., *Professor and Head of the Department*

DIVISION OF OBSTETRICS

Charles Sumner Bacon, Ph.B., M.D., *Professor*
Henry Foster Lewis, A.B., M.D., *Professor*
Rachelle S. Yarros, M.D., *Associate Professor*
Otto Herman Rohrlack, Ph.G., M.D., *Associate Professor*
Walter Charles Hammond, M.D., *Assistant Professor*
Hans Nachtigall, M.D., *Associate*
Eugene Cary, B.S., M.D., *Associate*
Annie Esther Barron-Harrison, M.D., *Instructor*
Pearl May Stetler, A.B., M.D., *Instructor*
Edgar Theron Blair, B.S., M.D., *Instructor*
Marshall Daniel Hayes, B.S., M.D., *Instructor*
James Edward Fitzgerald, B.S., M.D., *Instructor*
Samuel Glenwood Plice, B.S., M.D., *Assistant*
Charles Owen Hershey, M.D., *Assistant*
Otto Andrew G. Reinhard, B.S., M.D., *Assistant*
William Alexander Malcolm, B.S., M.D., *Assistant*

General Statement

Instruction is given in both the third and fourth years. The equipment consists of manikins, demonstration pelves, malformed pelves, and other pathological specimens, charts, obstetrical instruments, and prepared fetuses.

The clinical work is given in the University Hospital, Grant Hospital, Mt. Sinai Hospital, the Chicago Lying-in Hospital and Dispensary, and the Cook County Hospital. Bedside and dispensary clinics, in which students examine and study the patients, are given to small groups. An amphitheatre clinic is given to the fourth-year class.

All fourth-year students are required to take a course of two weeks in residence in the Chicago Lying-in Hospital and Dispensary. The Dispensary, located in the heart of a densely populated part of the city, cares for poor women during their confinement at their homes. The fee for the course is $15.00, payable in advance at the Dispensary.

Required Courses—Third Year

5-6. Physiology of Pregnancy, Labor, the Puerperium, and the New Born Infant.—Lectures and recitations. 3.

Associate Professor Yarros, Assistant Professor Hammond, Dr. Stetler, Dr. Blair, Dr. Hayes, Dr. Plice

9. Clinic.—University Hospital, Grant Hospital, Mt. Sinai Hospital. Instruction at bedside and in the dispensary. To small groups. 6 one-hour periods *(two weeks)*.

Professor Bacon, Associate Professor Rohrlack, Dr. Barron-Harrison, Dr. Blair

12. Clinic.—University Hospital. The class is divided into groups. The work covers attendance upon the delivery of six parturients.

Required Courses—Fourth Year

15-16. Pathology of Pregnancy, Labor, and the Puerperium.—Lectures and recitations. 3. *I*.

Professor Bacon, Associate Professor Rohrlack, Dr. Cary, Dr. Fitzgerald, Dr. Hershey, Dr. Malcolm

(a) Laboratory work in pathological anatomy and histology. To small groups. 1 two-hour period *(eight weeks)*. Dr. Nachtigall

(b) Manikin work. To small groups. 1 two-hour period *(eight weeks)*. Dr. Hayes

19. Clinic.—Cook County Hospital. To small groups *(four weeks)*. Professor Lewis

22. Clinic.—University Hospital. Demonstrations and operations. 1. *I*. Professor Bacon

25. Clinic.—University Hospital. To small groups. The work covers attendance upon the delivery of six parturients.

26. Clinic.—Chicago Lying-in Hospital and Dispensary. Residence, two weeks; at least six cases.

47-48. Seminar.—This work is done in co-operation with the Departments of Medicine and Surgery. For this work the student receives 48 hours credit, 16 in each department, although the work done only in one department. The class is divided into three groups, and each of these again into five sub-groups. The purpose of this seminar is to give the student a working knowledge of the medical literature and to acquaint him with the methods of looking up the work which has been done on any special subject. During the first semester the groups will meet informally, but abstracts will be prepared and submitted for criticism and the student will be graded on the basis of these abstracts. During the second semester each group will be assigned one hour in which to present its work before the entire class.

Professor Bacon, Dr. Stetler, Dr. Fitzgerald, Dr. Plice, Dr. Hershey, Dr. Malcolm

Optional Courses—Third Year

1-X. Review Course in Obstetrics.—1. *I*. Dr. Fitzgerald, Dr. Plice, Dr. Reinhard

2-X. Analgesia in Labor.—1. *I*. Dr. Stetler

Optional Courses—Fourth Year

1-X. Review Course in Obstetrics.—1. *I*. Dr. Fitzgerald, Dr. Plice, Dr. Reinhard

2-X. Heart Diseases as an Obstetrical Complication.—1. *I*. Assistant Professor Hammond

DIVISIONS OF GYNECOLOGY

Channing W. Barrett, M.D., *Professor and Head of the Division*
John Michael Lang, M.D., *Assistant Professor*
Egan Walter Fischmann, M.D., *Assistant Professor*
Frank Lee Stone, M.D., *Associate*
Leo Anthony Juhnke, M.D., *Instructor*
Goldye Hoffman, M.D., *Instructor*
Abraham Fae Lash, B.S., M.D., *Instructor*
Julius Ernest Fleischner, B.S., M.D., *Assistant*

General Statement

The subject of Gynecology is presented in the fourth year in the form of didactic teaching, recitations, quizzes, clinics, conferences, and laboratory and class room study of pathology of the pelvic organs.

Required Courses—Fourth Year

3. Practice.—Lectures, recitations, lantern slide demonstrations, exhibition of fresh and preserved pathological tissue, and illustrations by means of charts and models. 1. *II.* Professor Barrett, Assistant Professor Fischmann, Dr. Stone

7. Clinic.—Cook County Hospital. 1 two-hour period. *I.* Professor Barrett

15-16. Clinics.—Dispensary. Students in small groups have opportunity to study cases in detail. Students are required to make examinations, study cases, and write reports. In as far as the students' time permits, the dispensary cases will be followed through the operative course. In sections. 3 two-hour periods *(three weeks). II.*

Assistant Professor Lang, Assistant Professor Fischmann, Dr. Stone, Dr. Juhnke, Dr. Hoffman, Dr. Lash, Dr. Fleischner

Optional Courses—Fourth Year

1-X. Course on Pelvic Histology and Microscopic Pathology. Dr. Stone

OPHTHALMOLOGY

Edward Vail Lapham Brown, B.S., M.D., *Professor and Head of the Department*
Francis Lane, A.B., M.D., *Professor*
Harry S. Gradle, A.B., M.D., *Assistant Professor*
Hallard Beard, B.S., M.D., *Instructor*
William Franklin Moncreiff, M.S., M.D., *Instructor*
Margaret Amerton Heath, A.B., *Instructor*
Louis Bothman, B.S., M.D., *Assistant*
Beulah Cushman, B.S., M.D., *Assistant*

Required Courses—Fourth Year

1. Clinic and Practice.—Dispensary, clinic, and laboratory course. This includes 8 to 10 hours on the normal and pathological anatomy of the eye, 8 to 12 hours practice in the use of ophthalmoscope, perimeter, focal light, and test charts. The balance of the 32 hours are spent in the study of those eye diseases which the general practitioner most frequently encounters. The student is especially trained in the taking of histories of eye patients.

Professor Brown, Dr. Beard, Dr. Moncrieff, Dr. Bothman, Dr. Cushman

2. Didactic Ophthalmology.—Stereopticon demonstrations and quizzes. 2 one-hour periods *(four weeks).* Assistant Professor Gradle and Dr. Cushman

3. Ophthalmoscopy.—2 one-hour periods *(four weeks).*

Assistant Professor Gradle and Dr. Cushman

4. External Diseases and Ophthalmoscopy.—1 two-hour period *(four weeks).*

Professor Lane

Optional Course—Fifth Year

4-X. Ophthalmology.

1. Methods of Clinical Examinations (9-12 a. m. daily), 12 months.
2. Methods of Laboratory Examination (2-5 p. m. daily), 8 months.
3. Surgical work in the hospital (12-1 p. m. daily), 12 months.
4. Study of classical monographs and preparation of 25 case-histories for "The National Board of Ophthalmic Examinations" (2-5 p. m. daily), 4 months.

Physicians' Extension Courses in Ophthalmology

6. Clinical Course.—Designed for those who wish to take up ophthalmology as a specialty. The course affords individual training in standardized methods. The work is of a practical case-study nature.

A given method or process, such as retinoscopy or perimetry, is first explained and demonstrated. The physician is then assigned a case in which the data have been previously determined by the instructor. The physician makes an independent study and reports his findings to the instructor for criticism and grading. The process is continued until a reasonable degree of accuracy has been attained. Only one process is studied at a time. Processes taught are: I. Determination of Central Visual Acuity, Neutralization of Lenses, Retinoscopy, Refraction (with Cycloplegia and without), Tonometry, Determination of Degrees of Strabismus or Paralysis, Types of Discs (Elschnig's Classification). II. Measurement of Disc Levels, Perimetry, Objective Findings in External and Fundus Disease, Case-History Writing and Diagnosis, Prognosis, and Treatment of a given case as a whole. This course extends over one year. The first four months' work covers the first seven processes, the second four months covers the next four, and the third four months completes the course. Pathology is taken with undergraduate students. In the third period classical monographs are abstracted. Hours: 9 to 12 a. m., 6 days per week. The Staff

The fee for each period of four months is $50.00.

2. Pathology of the Eye.—Four months. Hours to be arranged. *I.*
Professor Brown, Professor Lane

PATHOLOGY AND BACTERIOLOGY

David John Davis, Ph.D., M.D., *Professor and Head of the Department*
William F. Petersen, A.B., M.D., *Associate Professor*
Richard Herman Jaffe, M.D., *Associate*
Isador Pilot, B.S., M.D., *Instructor*
Samuel A. Levinson, M.S., M.D., *Instructor*
Frederick Pickoff, B.S., M.D., *Instructor*
Julius Brams, B.S., M.D., *Instructor*
Ben Zion Rappaport, B.S., M.D., *Instructor*
Joseph Lepak, *Technician*
Stanley Moore, *Technician*
Eva Platin, *Technician*
Hilda Paulsen, *Technician*

Required Courses—Second Year

11. General Bacteriology and Protozoology.—Pathogenic bacteria and protozoa. Immunity. Lectures, demonstrations; 3: laboratory; 2 three-hour periods. *I.*
Professor Davis, Dr. Pilot, and assistants

18. General Pathology and Pathological Histology.—General pathology; gross and microscopic study of fresh and preserved pathological material. Lectures, recitations, demonstrations; 4: laboratory; 5 two-hour periods. *I.*
Associate Professor Petersen, Dr. Levinson, Dr. Jaffe

22. Clinical Pathology.—Microscopic, bacteriologic, and chemical examination of blood, urine, sputum, faeces, stomach contents, exudates, etc. 2 two-hour periods. *I.*
Dr. Pilot, Dr. Brams, and assistants

Required Course—Third Year

26. Special Pathology of Autopsies.—Gross and microscopic examination of organs, autopsies, post-mortem bacteriology, and experimental pathology. Three two-hour periods. *I.* Professor Davis, Dr. Pilot, Dr. Brams, Dr. Rappaport

Optional Courses

50. Advanced Work and Research in Bacteriology.—Limited to properly qualified students. Professor Davis, Associate Professor Petersen

51. Advanced Work in Special Diagnostic Laboratory Methods.—Limited to a few qualified students. Dr. Pilot, Dr. Pickof

55. Diagnosis of Tumors.—Open to students who have had courses in general and special pathology. *I.* Associate Professor Petersen, Dr. Jaffe

Courses for Graduates

101. Advanced Pathogenesis.—Pathology and Bacteriology. *One or two units.*
Professor Davis, Professor Petersen

105. Individual Research.—*One or two units.*
Professor Davis, Professor Petersen

PHARMACOLOGY, MATERIA MEDICA, AND THERAPEUTICS

Hugh Alister McGuigan, Ph.D., M.D., *Professor and Head of the Department*
Walter John Richard Heinekamp, M.S., M.D., *Associate*
Clyde Mason Snow, Ph.G., *Instructor*
Seymour J. Cohen, M.S., M.D., *Associate*
John E. Nilson, *Demonstrator*
Harry Joseph Schleck, *Technician*

Required Courses—Second Year

8. Pharmacology.—Lectures and recitations; 3: laboratory; 1 three-hour period. *I.*
Professor McGuigan, Dr. Heinekamp, Dr. Cohen, and assistants

10. Pharmacy and Materia Medica.—Lectures and recitations; 1: demonstrations and laboratory; 2. *II.* Professor McGuigan, Mr. Snow, and assistants

12. Pharmacology and Toxicology.—Lectures and recitations; 2: laboratory; 2. *II.* Professor McGuigan, Dr. Heinekamp, Dr. Cohen, and assistants

Required Course—Third Year

20. General Therapeutics.—2. *I.* Professor McGuigan, Mr. Nilson

Optional Course

Research.—The laboratory is open at all times for those qualified to engage in research. Professor McGuigan, Dr. Heinekamp, Dr. Cohen

Courses for Graduates

101. Advanced Pharmacodynamics.—Laboratory work. *One or two units.* Professor McGuigan

103. Research Work in Pharmacodynamics.—*One or two units.* Professor McGuigan

PHYSIOLOGY AND PHYSIOLOGICAL CHEMISTRY

George Peter Dreyer, A.B., Ph.D., *Professor and Head of the Department*
William Henry Welker, A.C., Ph.D., *Professor of Physiological Chemistry*
Olaf Bergeim, Ph.G., Ph.D., *Assistant Professor of Physiological Chemistry*
Nelson F. Fisher, A.B., M.S., Ph.D., *Assistant Professor of Physiology*
Grover Tracy, A.B., *Associate in Physiological Chemistry*
Thomas Patrician Hughes, M.S., *Instructor in Physiological Chemistry*
Franklin Randsom Fitch, B.S., M.D., *Instructor in Physiology*
Harry Benjamin Van Dyke, Ph.D., M.D., *Instructor in Physiology*
Howard LaRue Marsh, M.S., *Assistant in Physiological Chemistry*
John M. Thomas, *Mechanic and Technician in Physiology*
Edward John McCormack, *Technician in Physiology*
Abe Louis Aaronson, *Technician in Physiological Chemistry*
Ben Pearlman, *Technician in Physiology*
Joseph Franco, *Assistant Technician in Physiological Chemistry*

General Statement

The course in physiology is articulated with the other subjects in the curriculum to secure the maximal degree of correlation. Due emphasis is placed on the laboratory work. The standard equipment, as ordinarily provided for the fundamental experiments of the science, is supplemented by special apparatus for the study of clinical problems relating to circulation, respiration, vision, and the nervous system.

The laboratory exercises are selected not only to illustrate and to vitalize the subject-matter of the didactic course, but also to supply useful technical training and to develop interest in the methods and problems of original investigation. Facilities and equipment are available for those who desire to take advancecd work or engage in research.

For the work in chemistry, two laboratories are equipped for routine instruction and one for original work. Additional rooms for the preparation of class work and for metabolism experiments are connected with these laboratories. For the use of advanced students and investigators the nucleus of a chemical library, embracing the principal works of reference, is kept in the laboratory. The main library contains complete files of the more important journals of biochemistry.

Required Courses—First Year

20. Physiology.—Blood and lymph, muscle and nerve, circulation, respiration, secretion and digestion. Lectures and recitations; 3: demonstration and laboratory; 2 four-hour periods. *I.* Professor Dreyer, Dr. Fitch, Dr. Van Dyke, and assistants

27. Physiological Chemistry and Toxicology.—Lectures, demonstrations, conferences; 3: laboratory; 8 hours. *I.*

Professor Welker, Assistant Professor Bergeim, Mr. Tracy, Mr. Hughes, Mr. Marsh, and assistants

Required Course—Second Year

29. Physiology.—Metabolism; special senses; central nervous system. Lectures, recitations, demonstrations; 3: laboratory; 1 two-hour period. *I.*

Professor Dreyer, Dr. Fitch, and assistants

Optional Courses

51. Advanced Laboratory Work.—Physiological demonstration and research; graphic methods. Professor Dreyer, Dr. Fitch, Dr. Van Dyke

60. Vitamines.—6. *I.* Mr. Marsh

62. Preparation of Pure Proteins.—6. *I.* Professor Welker

Research.—The laboratories are open to persons with the requisite scientific training for the conduct of original investigations under the direction of the members of the staff.

63-64. Seminar.—The members of the teaching staff and all advanced workers in the department meet weekly to discuss results of recent researches in physiology and biological chemistry.

Prerequisites for optional courses: In physiology, courses 20 and 29, and in chemistry, course 27.

Courses for Graduates

103. Advanced Biological Chemistry.—Biochemical methods of research; biological colloids; enzyme action; metabolism. *One or two units.* Professor Welker

107. Biochemical Research.—*One or two units.* Professor Welker

SURGERY

Charles Davison, A.M., M.D., *Professor and Head of the Department*

DIVISION OF GENERAL SURGERY

Charles Davison, A.M., M.D., *Professor*

Albert John Ochsner, B.S., LL.D., M.D., *Professor*

Albert Edward Halstead, M.D., *Professor*

William McIntyre Harsha, A.B., M.D., *Professor*

Charles Edward Humiston, M.D., Sc.D., *Professor*

Nelson Mortimer Percy, M.D., *Professor*

George Farnsworth Thompson, B.S., M.D., *Associate Professor*

Karl Albert Meyer, M.D., *Associate Professor*

Frederick George Dyas, M.D., *Associate Professor*

Henry Bascom Thomas, B.S., M.D., *Associate Professor of Orthopedic Surgery*

Charles Morgan McKenna, B.S., M.D., *Associate Professor of Genito-Urinary Surgery*

Cassius Clay Rogers, A.M., M.D., *Associate Professor*

Benjamin Franklin Lounsbury, B.L., M.D., *Associate Professor of Operative Surgery*

Willard Clark Sanford, B.S., M.D., *Associate Professor (Extra Mural)*

John Ross Harger, B.S., M.D., *Assistant Professor*

Charles Herbert Phifer, M.D., *Assistant Professor*
Harry Culver, M.S., M.D., *Assistant Professor of Genito-Urinary Surgery*
Raymond William McNealy, M.D., *Assistant Professor*
George Luther Davenport, M.D., *Assistant Professor*
Augustus George Zimmerman, LL.B., M.D., *Assistant Professor (Extra Mural)*
Arrie Bamberger, B.S., M.D., *Associate*
Oscar Eugene Nadeau, B.S., M.D., *Associate in Surgical Pathology*
Henry Lester Baker, M.D., *Associate*
George Washington Post, B.S., A.M., M.D., *Associate*
Ralph Charles Sullivan, A.M., M.D., *Associate*
Lyndon Harris, M.D., *Instructor*
Clara Grace Gottschalk, M.D., *Instructor*
Frederick Christopher, B.S., M.D., *Assistant*
Virgil Sheets Counsellor, B.S., M.D., *Assistant*
Gilbert Palmer Pond, B.S., M.D., *Assistant*
John Fisher Gainer, B.S., M.D., *Asssitant*
Francis Todd H'Doubler, A.M., Ph.D., M.D., *Assistant*
Ralph August Kordenat, M.S., M.D., *Assistant*
Karl Leroy Vehe, B.S., M.D., *Assistant*
Dorrin Fred Rudnick, B.S., M.D., *Assistant*
George Shaynin Livingston, M.S., M.D., *Assistant*
Adolph Kraft, M.S., M.D., *Assistant in Experimental Surgery*
Fred Rush Thompson, B.S., M.D., *Assistant*
Morris Louis Parker, B.S., M.D., *Assistant*
Chauncey C. Mayer, B.S., M.D., *Assistant*
David Solomon Beilin, M.S., *Assistant in Surgical Pathology*

Required Courses—Third Year

3-4. Practice.—Surgery and surgical pathology. Conferences, recitations. In sections. 2. *II.* Assistant Professor Phifer, Dr. Post, Dr. Bamberger, Dr. Sullivan

7-8. Clinic.—Dispensary. Diagnosis, bandaging, surgical dressings, and appliances. Three two-hour periods *(three weeks)*. *II.*

Assistant Professor Harger, Dr. Bamberger, Dr. Post, Dr. Harris, Dr. Pond, Dr. Kordenat, Dr. Kraft

9. Clinic.—Cook County Hospital. 1 two-hour period. *I.*
Assistant Professor McNealy

10. Clinic.—Cook County Hospital. 1 two-hour period. *I.*
Associate Professor Thompson

11. Clinic.—Cook County Hospital. 1 two-hour period. *I.*
Associate Professor Dyas

12. Clinic.—Cook County Hospital. 1 two-hour period. *I.*
Assistant Professor Davenport

19. Anesthetics.—Practical demonstrations to individual students in the administration of anesthetics at Cook County Hospital. Associate Professor Meyer

Optional Courses—Third Year

1-X. Anesthetics, Surgical Dressings, and Bandaging.—Individual instruction and demonstration of the application of surgical dressings. 1. *I.* Dr. Baker

2-X. Surgical Diagnosis.—1. *I.* Assistant Professor McNealy

3-X. Principles of Surgery.—A review course. 1. *I.*
Associate Professor Meyer

4-X. Special Fractures.—Lectures, recitations, conferences. 1. *I.*
Associate Professor Davenport

5-X. Operative Surgery of the Abdomen on Animals.—1. *I.*
Dr. Graham, Dr. Braude

6-X. Preoperative and Postoperative Treatment.—1. *I.* Dr. Nadeau

Required Courses—Fourth Year

29. Clinic.—University Hospital. 1 two-hour period. *I.* Professor Davison

31. Clinic.—St. Mary's Hospital. 1 two-hour period. *I.* Professor Percy

32. Clinic.—Augustana Hospital. 1 two-hour period. *I.* Professor Ochsner

33. Clinic.—St. Luke's Hospital. 1 two-hour period. *I.*
Professor Halstead, Professor Harsha

34. Clinic.—Cook County Hospital. 1 two-hour period. *I.*
Associate Professor Thompson

35. Clinic.—Cook County Hospital. 1 two-hour period. *I.*
Assistant Professor McNealy

36. Clinic.—Cook County Hospital. 1 two-hour period. *I.*
Assistant Professor Davenport

37-a. Clinic.—Cook County Hospital. Bedside conference in surgical diagnosis. 1. *I.* Associate Professor Meyer

37-b. Clinic.—Cook County Hospital. Individual bedside instruction in surgical diagnosis. Record writing, symptoms, physical examination, roentgenogram interpretation, laboratory examination of materials from the patients secured in the ward, operating room, or morgue. One two-hour period. *I.* Professor Davison and assistants

41. Surgical Pathology.—Laboratory. In sections. 1 two-hour period *(eight weeks)*. Dr. Nadeau, Dr. Beilin

43-44. Surgical Seminar.—Work done in co-operation with the departments of medicine and obstetrics. For this work the student receives 48 hours credit, 16 in each department, although the work is done in one department only. The purpose is to give the student a working knowledge of the medical literature and to acquaint him with the methods of looking up the work which has been done on any special subject. During the first semester the groups will meet only informally and abstracts will be prepared and submitted for criticism. During the second semester, each group will be assigned one hour in which to present its work before the entire class.
Assistant Professor Harger, Dr. Pond, Dr. Kraft

OPTIONAL COURSES—FOURTH YEAR

6-X. Surgery of the Abdomen (Course I).—Lectures, conferences, recitations. 1. *I.* Associate Professor THOMPSON

7-X. Surgical Tuberculosis.—Lectures, conferences, recitations. 1. *I.* Associate Professor THOMAS

8-X. Regional Surgery.—A review course. 1. *I.* *Prerequisite:* 3-X. Associate Professer MEYER

9-X. Surgery of the Brain and Spinal Cord.—Lectures, conferences, recitations. 1. *I.* Associate Professor ROGERS

10-X. Surgery of the Thorax.—Lectures, conferences, recitations. 1. *I.* Professor DYAS

11-X. Surgical Diseases of the Kidneys.—1. *I.* Assistant Professor CULVER

12-X. Surgery of the Abdomen (Course II).—Lectures, conferences, recitations. 1. *I.* Professor HUMISTON

13-X. Hernia.—1. *I.* Professor HALSTEAD

14-X (a) Surgery of the Neck and Chest.—1. *I.* Professor OCHSNER
(b) Surgery of the Spleen and Anaemias.—1. *I.* Professor PERCY

15-X. Surgical Diseases of the Bladder.—1. *I.* Assistant Professor MCKENNA

DIVISION OF ORTHOPEDIC SURGERY

HENRY BASCOM THOMAS, B.S., M.D., *Associate Professor*
JOHN PERLEY SPRAGUE, A.B., M.D., *Associate*
MARCUS HATFIELD HOBART, A.B., M.D., *Associate*
DENNIS RIDER WOOD CRILE, B.S., M.D., *Instructor.*
FRANK GEORGE MURPHY, B.S., M.D., *Instructor*
WALTER RATHFON FISCHER, B.S., M.D., *Assistant*

REQUIRED COURSES—THIRD YEAR

3. Practice.—Conferences, recitations. In sections. 1. *I.* Associate Professor THOMAS, Dr. SPRAGUE, Dr. CRILE, Dr. MURPHY

4. Practice.—Advanced Course. Elective. 1. *I.* Associate Professor THOMPSON

7. Clinic.—St. Luke's Hospital. 1. *I.* Associate Professor THOMAS

8. Clinic.—St. Mary's Hospital. 1. *I.* Dr. CRILE

9. Clinic.—University Hospital. 1. *I.* Dr. SPRAGUE

15-16. Clinic.—Dispensary. In sections. 3 two-hour periods *(three weeks). II.* Associate Professor THOMAS, Dr. HOBART, Dr. SPRAGUE

DIVISION OF GENITO-URINARY SURGERY

CHARLES MORGAN MCKENNA, B.S., M.D., *Associate Professor*
HARRY CULVER, M.S., M.D., *Assistant Professor*
HARRY JEROME SMEJKAL, M.D., *Instructor*
RUSSELL DORR HERROLD, B.S., M.D., *Instructor*
VINCENT JOHN O'CONOR, B.S., M.D., *Instructor*

REQUIRED COURSES—THIRD YEAR

3. Practice.—Conferences, recitations. In sections. 1. *I.*
Associate Professor McKENNA, Assistant Professor CULVER, Dr. HERROLD, Dr. O'CONOR

4. Practice.—Advanced Course. Elective 1. *I.* Assistant Professor CULVER

7-8. Clinic.—Dispensary. In sections. 3 two-hour periods *(three weeks). II.*
Associate Professor McKENNA, Dr. SMEJKAL

REQUIRED COURSES—FOURTH YEAR

11. Clinic.—Cook County Hospital. Individual instruction in the diagnosis of genito-urinary diseases, including cystoscopy, catherization of the ureters, interpretation of roentgenograms and of chemical and miscroscopical urinalyses. In sections. 2 two-hour periods *(three weeks).* Assistant Professor CULVER

14. Clinic.—St. Joseph's Hospital. In sections. 1 two-hour period. *I.* *(eight weeks).* Associate Professor McKENNA

DIVISION OF OPERATIVE SURGERY

BENJAMIN FRANKLIN LOUNSBURY, B.L., M.D., *Associate Professor*
ARCHIE JAMES GRAHAM, B.S., M.D., *Instructor*
ARTHUR R. METZ, A.B., M.D., *Instructor*
IRVING ROBERT BROWNING, B.S., M.D., *Assistant*
BENJAMIN BRAUDE, M.S., M.D., *Assistant*
HOWARD LESLIE MAWDSLEY, A.B., M.D., *Assistant*

REQUIRED COURSE—SECOND YEAR

3. Operative Surgery.—Regional surgical anatomy. Individual operations on the cadaver and on animals. In small sections. 1 two-hour period. *I.*
Associate Professor LOUNSBURY, Dr. METZ, Dr. BROWNING, Dr. MAWDSLEY

PROVISIONAL SUMMARY OF HOURS

FIRST YEAR

Subjects	First Semester		Second Semester		Total
	Didactic	Laboratory	Didactic	Laboratory	
ANATOMY:					
Gross	32	112	32	112	288
Microscopic	32	160	32	64	288
CHEMISTRY:					
Physiological	48	132	...	...	180
PHYSIOLOGY	...	...	80	96	176
	112	404	144	272	932

SECOND YEAR

Subjects	First Semester		Second Semester		Total
	Didactic	Laboratory	Didactic	Laboratory	
ANATOMY:					
Topographical	32	80	...	...	112
Bacteriology	32	96	...	...	128
Pharmacology and Pharmacy	48	48	32	80	208
Pathology	...	...	48	128	176
Physical Diagnosis	...	...	16	32	48
Physiology	48	32	...	...	80
Surgery (Operative)	...	...	...	32	32
Electives	...	...	96	...	96
	144	272	192	272	880

PROVISIONAL SUMMARY OF HOURS (Continued)

THIRD YEAR

Subjects	First Semester			Second Semester			Total
	Didactic	Clinical & Laboratory	Dispensary	Didactic	Clinical & Laboratory	Dispensary	
Autopsies	..	..	..	..	32	..	32
Oto-Laryngology	16	16	9	10	..	9	60
Internal Medicine	64	48	18	64	32	18	244
Medical Jurisprudence	..	..	..	16	..	..	16
Hygiene	..	..	..	32	..	..	32
Pathology	..	..	..	16	48	..	64
Pediatrics	16	8	..	16	8	..	48
Pharmacology and Therapeutics	32	..	..	..	..	..	32
Obstetrics	48	..	..	..	12	..	60
General Surgery	32	32	18	32	36	18	168
Orthopedic Surgery	..	32	18	16	..	18	84
Clinical Pathology	..	64	..	..	..	..	64
Genito-Urinary Surgery	16	..	18	..	..	18	52
Electives	16	..	..	16	..	..	32
	240	200	81	218	168	81	988

FOURTH YEAR

Subjects	First Semester			Second Semester			Total
	Didactic	Clinical & Laboratory	Dispensary	Didactic	Clinical & Laboratory	Dispensary	
Dermatology	16	16	9	16	..	9	66
Genito-Urinary Surgery	..	20	..	..	..	..	20
Gynecology	16	32	18	16	..	18	100
Hygiene	..	..	..	..	24	..	24
Medicine	64	42	..	48	42	..	196
Neurology	..	48	..	..	48	..	96
Obstetrics	48	32	..	..	24	..	104
Ophthalmology	..	32	..	..	32	..	64
Pediatrics	..	40	..	..	40	..	80
Psychiatry	..	..	..	..	24	..	24
Roentgenology	..	..	..	..	4	..	4
General Surgery	16	86	..	32	86	..	220
Surgical Pathology	..	..	..	..	16	..	16
Electives	48	..	..	48	..	..	96
	208	348	27	160	340	27	1110

First year	932
Second year	880
Third year	988
Fourth year	1110
Total	3910

COLLEGE ORGANIZATIONS

THE YOUNG MEN'S CHRISTIAN ASSOCIATION

The Association at the College of Medicine is a branch of the Young Men's Christian Association of Chicago. The secretary, Lucius C. Hollister, maintains his headquarters immediately adjacent to the College of Medicine. He has charge of the Employment Bureau, Room Register, Student Information Bureau, and the social and religious activities of the student body.

The aim of the Association is service. It purposes to provide opportunity for the development of a varied program of service which will make for the attainment of the best in the individual and in the student body. The various activities are promoted by the cabinet—a group of student committees especially qualified for such service. The committees perform a special service through the employment bureau which is maintained to help those students who have to work their way through college.

YOUNG WOMEN'S CHRISTIAN ASSOCIATION

The Women Medical Students' Christian League, affiliated with the National Y. W. C. A. holds frequent luncheons throughout the year at which outside speakers are entertained. One Sunday a month, the women of the various medical colleges meet in an inspirational and social meeting at some home.

ALUMNI ASSOCIATION OF THE COLLEGE OF MEDICINE OF THE UNIVERSITY OF ILLINOIS

President—E. R. Hayhurst, '08, Ohio State University, Columbia, Ohio.
First Vice-President—L. K. Patton, '13, Oconomowac, Wis.
Second Vice-President—C. O. Schneider, '08, 31 N. State St., Chicago.
Third Vice-President—W. L. Crawford, '19, Trust Bldg., Rockford, Ill.
Secretary-Treasurer—Marshall Davison, '19, 432 S. Lincoln St., Chicago.
Member of Executive Committe —W. H. Bradley, '10, 3941 Jackson Blvd., Chicago.
Delegate to Alumni Council—R. W. Morris, '12, 4363 Greenwood Ave., Chicago.
Historian—Clement Fischer, '12, 1809 Wyoming St., Dayton, Ohio.
Necrologist—M. Robert Weidner, '83, Dolton Station, Ill.

ALPHA OMEGA ALPHA

Alpha Omega Alpha, an international honorary medical fraternity, with chapters in twenty-four "Class A" medical schools, was founded in the College of Medicine, in 1902.

Third and fourth year medical students who have a grade of scholarship ranking them in the upper one-sixth of their class are eligible for membership.

GROUP II, CLASS OF 1924

Frank John Smejkal
Sherman Lawrence Shapiro
Robert Crawford Robertson
John Robert Johnson
John Francis Flynn
Richard Axel Lifvendahl

GROUP I, CLASS OF 1925

Donald Maxwell MacCornack, *President*	Truman Jacob Mohr *Sec.-Treas.*
Luther Mohler Lorance, *Vice-President*	William Dayton Carrell

MEDICAL RESEARCH CLUB

The Medical Research Club, the object of which is the stimulation of scientific research, meets once a month for the discussion of original scientific contributions. Since its organization in January, 1914, many papers have been presented before the society. The spirit of generous competition and helpful criticism that prevails in this club has been a stimulus toward the production of an increasing number of valuable scientific contributions.

Graduate students and others giving promise of doing meritorious work are eligible to associate membership. Associate members have all the rights and privileges of the club except the right to vote.

Elected to Membership, 1923-24

Members

Dr. W. C. Austin, *Associate Professor of Chemistry and Acting Head of the Department, Loyola University*
Dr. J. Brams, *Instructor in Pathology and Bacteriology*
Dr. W. A. Brams, *Adjunct in Medicine, Michael Reese Hospital*
Dr. R. M. Hill, *Assistant Professor of Chemistry, Loyola University*
Dr. A. Kolodny, *Instructor in Anatomy*
Dr. A. F. Lash, *Instructor in Gynecology*
Miss B. L. Lloyd, *Instructor in Anatomy*
Dr. E. S. Moore, *Associate Professor of Medicine*
Dr. O. E. Nadeau, *Associate in Surgical Pathology and Associate in Anatomy*
Dr. F. E. Senear, *Associate Professor of Dermatology and Acting Head of the Department*
Dr. H. D. Singer, *Professor of Psychiatry and Head of Division*
Mr. H. L. Weatherford, *Instructor in Anatomy*

Mr. R. L. Groves, Class of 1924
Mr. R. C. Robertson, Class of 1924

Associate Members

Dr. B. Z. Rappaport, *Instructor in Pathology*

Mr. B. N. Bengtson, Class of 1925
Mr. M. H. Streicher, Class of 1924

Papers Read Before the Club—1923–24

Vascular Changes in the Contracted Kidney, Dr. Jaffe.

The Lipoids and Enzymes in the Blood in Pulmonary Tuberculosis, Drs. Petersen and Levinson.

Mirrors of Medicine, Dr. Morris Fishbein, Assistant Editor of the American Medical Association.

Relation of the Skin to the Autonomic Nervous System (in German), Dr. Med. Ernst Friederich Muller, Privatodzent fur Innere Medizin, Hamburg.

Studies in Comparative Immunity. II. Relative Importance of the Liver and Spleen in Destruction of Foreign Blood Cells in Rabbits, Dr. F. L. Pickof.

The Lymphatics of the Bone-Marrow, Dr. Anatole Kolodny.

The Occurrence of Bacillus ducrey'i in the Smegma of Normal Persons, Dr. J. Brams.

Early Diagnosis of Intestinal Perforation by X-ray Examination, Dr. W. A. Brams.

Experimental Human Inoculations with Filtered Nasal Secretions from Acute Coryzas, Messrs. R. C. Robertson and R. L. Groves.

Significance of Blood Diastases, Dr. S. J. Cohen.

Effect of Arsenic on the Capillary Permeability, Mr. T. P. Hughes and Dr. W. Petersen.

Longevity of Gonococci in Various Waters and in Swimming Pools, Mr. B. N. Bengtson.

Putrid Bronchiectasis, Dr. I. Pilot.

Phospholipins in Yeast, Dr. W. C. Austin.

Some Peculiarities in Strychnine Poisoning, Dr. W. J. R. Heinekamp.

The Standardization of Local Anesthetics, Messrs. Pawlisch and Moxon.

Further Observations on the Precipitin Reaction of Bence-Jones Protein, Dr. Hektoen and Dr. Welker.

Calcium and Phosphate Level of the Lymph in Anaphylactic Shock, Mr. Hughes and Dr. Petersen.

Methods of Standardization of Local Anesthetics, Mr. G. A. Brough.

Carl Ludwig Schleich, Dr. W. H. Petersen.

Studies on Myelogenous Metaplasia, Dr. R. H. Jaffe.

Colonic Anesthesia, Messrs. Phifer and Ross.

The Non-Nucleated Cytoplasmic Elements or Plastids in the Blood of Vertebrates, Dr. V. E. Emmel.

Incidence and Pathogenicity of Streptococci in Infections of the Cervix and Tubes, Dr. A. F. Lash.

The Action of Digitalis, Messrs. J. B. Berardi and M. C. Canan.

Histological Changes Produced in the Gastric Mucosa of the Dog by Exposure to X-Ray, Dr. A. B. Dawson.

The Effect of Yeast Ingestion on the Leucocyte Count, Dr. Heintz and Dr. Welker.

The Precipitin Reaction of the Purified Blood Proteins of Different Species, Dr. Heintz and Dr. Welker.

Effect of Intravenous Injections of Antagonistic Salts on Endothelial Permeability, Mr. Hughes and Dr. Petersen.

The Standardization of Cocaine, Mr. Conrad.

Reduction in the Percentage of Erythrocytic Reticulation and Polychromasia in Acute Inanition, Dr. Fisch and Dr. Emmel.

Preventive Medicine in the Medical Curriculum, Dr. Eycleshymer.

Intestinal Reductions, Dr. Bergeim.

Experimental Studies on the Value of Iron in Anemia, Dr. Williamson.

Oxidation of Some Sulphur Compounds, Similar to Cystin, Dr. R. H. Hill.

Lactation Leucopenia, Dr. Emmel.

Comparative Analysis of Acute Inanition and Lactation Leucopenia, Mr. Streicher and Dr. Emmel.

The Order, Time, and Rate of Ossification of the White Rat Skeleton, Dr. Strong.

The Relation of Leucocytes to Mammary Secretion, Mr. Weatherford and Dr. Emmel.

Bacteriophagic Studies. II., Dr. L. Arnold.

Studies on the Comparative Incidence and Inheritance of Goiter in St. Louis and Chicago, Miss B. L. Lloyd.

Dibothriocephalus Latus (Fish Tape Worm), Dr. E. S. Moore.

Bacteriophagic Studies. II., Dr. L. Arnold.

Mutationlike Alterations in Blastomyces, Dr. D. J. Davis.

Fats and Calcium Absorption, Dr. O. Bergeim.

Colonic Anesthesia, Dr. S. J. Cohen.

"Aristotle as an Investigator," Dean A. H. Daniels.

DEGREES CONFERRED

FIFTH YEAR CLASS

Session of 1923-24

DEGREE OF DOCTOR OF MEDICINE

Conferred September 1, 1923, in Chicago

Bertha Marie G. Anderson, B.S.,
Louis Edidin

Conferred October 1, 1923, in Chicago

Leah Sinai, B.S.

Conferred February 14, 1924, in Chicago

William Lane Buhrman, B.S.
Harry Oliver Maryan, B.S.
Albert LeRoy Potts, B.S
Otto Andrew G. Reinhard, B.S.

Conferred June 10, 1924, in Chicago

William Curtis
Charles Weer Goff, B.S.
James Tobias Groot, A.B., B.S.
Stanley John Imbiorski, B.S.
Ferdinand Richard Krembs, B.S.
Frank Blackburn Lucas, B.S.
Thomas Paine Saltiel, B.S.
Joseph Clarence Sodaro, B.S.

Conferred July 1, 1924, in Chicago

Maurice Albach, B.S.
Paul Gerhard Albrecht, B.S., Ph.D.
Ernest Alcivar, B.S.
Henry Rex Amberson, A.B.
George John Baumgartner, B.S.
Hyrum Earl Belnap, B.S.
Jesse Louis Bollman, A.B., B.S., M.S.
Amos Presily Bratrude, B.S.[1]
Claude Malcolm Cochran, A.B., B.S.[2]
Robert Dessent, B.S.
Howard Milton Edwards, B.S.
Liborio Figueroa, B.S.
Clement de Freitas, B.S.
Walter Charles Frenzel, B.S.
Marcus Goodwin, B.S.
Joseph Greengard, B.S.
Chirley Louis Hadden, B.S.
James Pendleton Hahn, B.S.
Earle Hopkins Hall, B.S.
Richard August Harris, B.S.
James Howard Hoskins, B.S.
Stanley Florin Janicki, B.S.
Harvey Chester Johnson, B.S.
Morris Lewis Karbelnig, B.S.
Edward Joseph Kelly
Jacob Elias Klein, B.S.
Nathaniel Benjamin Lans, B.S.
Elmer Arnold Lansche, B.S.
Harry Walter Lenit
Benjamin Mordecai Levin, B.S.
Louis Litton, B.S.
Gerhard William Lorfeld, B.S.
John William Lowe, B.S.
Floyd Lawrence McGrath, B.S.
Clark Russell William Magill, B.S.
Chauncey Carter Maher, B.S.
Ben Jack Malnekoff
William Alfred Mann, Jr., B.S.
Morton Joseph Mills, B.S.
Cornetta Grothaus-Moen
Melvin Max Newman, B.S.
Johannes M. Nielsen, B.S.
Evelyn Owens Nielsen, B.S.
Harrison Morton Pierce, B.S.

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[1] Conferred June 21, 1924, in Chicago.
[2] Conferred June 25, 1924, in Chicago.

Gaudencio Eulalio Pi-it, A.B., B.S.
Dwight Coleman Reeves, B.S.
Theodore Ferdinand Reuther, B.S.
Bernard Sayre
William Schecter, B.S.
Arthur M. Skarperud, A.B.
Richard Boothby Stoops, B.S., A.B.
Paul Webster Tranter
Glenn Joseph Tygett, B.S.
Samuel Alexander Vogel, B.S.
John Trimmer Wead, B.S.
Henry George Wehringer, B.S.
Cordelle Atherton Wood, B.S.
Mohammed Abbass Yahya, B.S.[1]

Conferred August 1, 1924, in Chicago

Louis Feldman, B.S.

Conferred August 15, 1924, in Chicago

Marie Wessels B.S.
William Mitchell Byers, B.S.

THE DEGREE OF BACHELOR OF SCIENCE

Conferred February 14, 1924, in Chicago

Esteban Eliazo
Carl Nathaniel Furness

Conferred June 7, 1924, in Chicago

Sol Marvin Abelson
Harry Arlo Amesbury
Leo E. Amtman
Burton Richard Bancroft
Huston J. Banton
Albert Carlos Barber, Jr.
Cecil Frederick Barber
John Theodore Belting
Clinton A. Benzie
James Bernard Berardi, Ph.G.
Theodore B. Bernstein
Caryle Bernard Bohner
Milton G. Bohrod
Hugh Ginther Bridegroom
John Willard Bull
Norman Charles Bullock
Melton Burdett Burns
Mack Clelland Canan
Claire Eugene Carr
Harold Bernard Cassidy
Joseph Ciesla
Harold James Collins
Ethelbert Fitz-Randolph Cox
Bernhard Johannes Cronwell, Jr.
Percy Joseph De Lano
Hyman Manning Ellowitz
Paul Henry Esslinger
Earl Ernest Ewert
Emelia Josephine Giryotas, A.B.
Samuel Silas Goldberg
Hymen William Golub
Harry Clay Harris
Peter Nicholas Hatzis
Herman Weitzel Hawkins
Carl A. Hedberg
Max Iglowitz
Lawrence Francis Isenhart
Donald William Killinger
Clarence Roland Kroeger
Jacob Aaron Lifshin
Alexander George Marshall
Timothy Francis Mullen, Jr.
Carlton Maurice Neiberg
Samuel Bennet Nelson
Samuel Peluse
Max Louis Polse, A.B.
Elza Carl Porter
Sidney Wallace Raymond
Abraham Irving Rosenblum
Bruce Ivan Ryder
James David Sarven, A.B.
Bryant Richard Selden
Richard Charles Shurtz
Charles Gilbert Stoll
Lars Waldorf Switzer
Eugene Emerson Taylor
John Francis Tenczar
Helen Ruth Vincent
Charles VanEpps Waggoner

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[1] Conferred July 3, 1924, in Chicago.

CERTIFICATE PRESENTED JUNE 9, 1924, IN CHICAGO

Students who have completed four years of scheduled work in the College of Medicine of the University of Illinois, and who upon the completion of a year of satisfactory interneship in a hospital approved by the University will be entitled to the degree of Doctor of Medicine.

William Frederick Abramson
Ralph Boyce Armitage, B.S.
Edmund Francis Bennett
Harry Clinton Bigglestone, A.B., B.S.
Max Thomas Bolotin, B.S.
Hyman Nathanson Brown, B.S.
Glen Amos Brough, A.B., B.S.
George Creswell Burns, B.S.
Loren Leslie Collins, B.S.
Raymond Green Colyer, A.B., B.S.
Clyde Kenneth Conrad, B.S.
Arthur Reuben Cooper, Ph.D.
Robert Neil Crow, B.S.
Magni Davidson, A.B.
Irvin Davis, B.S.
Hugo O. Deuss, B.S.
Eugene Albert Edwards, B.S.
Esteban Elicano Eliazo, A.B., B.S.
William Gibson Elliott, B.S.
Louis Aaron Eshman, B.S.
Fred Snider Etherton, B.S.
Abraham Ettleson, B.S.
Charles Herold Eye, B.S.
Jacob Fischer, B.S.
John Francis Flynn, B.S.
Robert William Flynn, B.S.
Chester Philip Fox, B.S.
John Jacob Gasser, B.S.
Milton B. Gevirtz, B.S.
Ivan Gilbert, B.S.
George Samuel Glassoff
Leo Grant Glickman, B.S.
Russell Walter Goebel, B.S.
Harold Quinten Groos, B.S.
Melvin Reese Guttman, B.S.
Louis Joseph Halpern, B.S.
Sigil Clance Harris[1]
Morris Solomon Jerkowsky, B.S.
Howard Reynold Johnson, B.S.
John Robert Johnson, B.S.
Russell Johnson, A.B., B.S.
Samuel Kaplan, B.S.
Douglas Sheldon Kellogg, B.S.
William Lloyd Kenny, B.S.
Benjamin Franklin Kilgore, B.S.
Paz Garcia King, A.B., B.S.
Milton Henry Kronenberg, B.S.
Neil McLean Leitch, B.S.
Vincent Thomas James Lenth
Aloysius Francis Lenzen, A.B., B.S.
Wilbert Ashton Liebeler, A.B., B.S.
Richard Axel Lifvendahl, B.S.
Severo Francisco Mar, B.S.
William Beringer Marcusson, Jr., B.S.
Jesse Margolis, B.S.
Albert Ilmer Mathre, B.S.
Robert Woodruff Meals, B.S.
Henry Alpheus Merchant, B.S.
Raymond John Meyer, B.S.
John Frank Moon, B.S.
Jacob Morton Mora, B.S.
John Patrick Mulcahy, B.S.
Emery J. McIntire[2]
Andrew McNally, Jr., B.S.
Carlton Maurice Neiberg
Owen Wendell Emen Nowlin, B.S.
Clarence Martin O'Hora, B.S.
Louis William Perman
Arthur Paul Picard, A.B., B.S.
Charles T. Poulson, B.S.
John Francis Ralston, B.S.
Dewey Minnis Roberts, B.S., A.B.
Robert Crawford Robertson, A.B., B.S., M.S.
Thomas Sanderson Robertson, B.S.
Jesse P. Rogers, B.S.
David Rosenblum, B.S.
Joseph Rubenstein, B.S.
Robert Schafer, B.S.
Thomas Craig Scott

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[1] Presented February 14, 1924, in Chicago.
[2] Presented September 1, 1923, in Chicago.

Sherman Lawrence Shapiro, B.S.
David Melman Shayne, B.S.
Harry Singer
Frank John Smejkal, B.S.
Beulah Marie Smith, B.S.
Charles Raimer Smith, B.S.
John Frederick Smith
Ralph Benjamin Snavely, B.S.
Alfred P. Solomon, A.B.
Michael Henry Streicher, B.S.
Vincent J. Sutch, B.S.
Harry George Talbot, B.S.
Maurice John Thornton, B.S.
Alvin Stewart Thurston, B.S.
Joseph Hancock Thomas, B.S.
Walter Pierson Tippet, A.B.
Raymond August Toepfer, B.S.
Carl Joseph Uthoff, B.S.
Hyman Israel Vener, B.S.
Samuel Isaac Weiner, B.S.
Wilbur Stuart Wood, B.S.
Carl August Wilke, B.S.
John Clarence Yockey, B.S.
Edmund Valient Young, B.S.

REGISTER OF STUDENTS

SESSION 1924

FIFTH YEAR CLASS

Alexian Brothers Hospital	Robert Paul Caron
Chicago, Illinois	Andrew McNally, Jr.
Altoona Hospital	Jesse P. Margolis
Altoona, Pennsylvania	
Ancker Hospital	Magni Davidson
St. Paul, Minnesota	
Augustana Hospital	Hugo O. Duess
Chicago, Illinois	
Battle Creek Sanitarium	Harry G. Talbot
Battle Creek, Michigan	
Butterworth Hospital	Leo Grant Glickman
Grand Rapids, Michigan	
Charity Hospital	Charles Theodore Poulson
New Orleans, La.	
Chicago Memorial Hospital	Hyman N. Brown
Chicago, Illinois	
Cleveland City Hospital	John Francis Ralston
Cleveland, Ohio	Charles Raimer Smith
Cook County Hospital	Robert Paul Caron
Chicago, Illinois	Robert Neil Crow
	Jacob Fischer
	Louis Joseph Halpern
	Abraham Ettleson
	George Glassoff
	Lloyd W. Kenny
	Neil McLean Leitch
	Aloysius F. Lenzen
	Richard A. Lifvendahl
	Milton H. Kronenberg
	Jacob M. Mora
	John P. Mulcahy
	Thomas Sanderson Robertson
	Sherman Lawrence Shapiro
	David Shayne
	Frank J. Smejkal
	Alfred P. Solomon
Henry Ford Hospital	Glen A. Brough
Detroit, Michigan	Clyde K. Conrad
	Emery J. McIntyre
Grant Hospital	William F. Abramson
Chicago, Illinois	Jesse P. Rogers
	Joseph Rubenstein
	Robert Schafer

Hackley Hospital Muskegon, Michigan	Carl G. Wilke
Harper Hospital Detroit, Michigan	Raymond G. Colyer
Los Angeles General Hospital Los Angeles, California	M. T. Bolotin George Creswell Burns Louis A. Eshman Robert W. Meals Owen W. E. Nowlin David Rosenblum Harry Singer Hyman I. Vener
Lutheran Deaconess Hospital Chicago, Illinois	Morris Jerkowsky
Milwaukee Hospital Milwaukee, Wisconsin	Walter P. Tippet Raymond A. Toepfer
Mt. Sinai Hospital Chicago, Illinois	Samuel Kaplan Samuel I. Weiner
Murray Hospital Butte, Montana	Esteban E. Eliazo
Passavant Hospital Milwaukee, Wisconsin	Wilbert A. Liebeler
Research Hospital Kansas City, Missouri	Jeanette Jongewaard
Seattle City Hospital Seattle, Washington	Douglas S. Kellogg
Springfield City Hospital Springfield, Ohio	Edmund F. Bennett
St. Anthony de Padua Hospital Chicago, Illinois	Ralph Boyce Armitage Carl J. Uthoff
St. Bernard's Hospital Chicago, Illinois	Raymond John Meyer
St. Elizabeth Hospital Chicago, Illinois	Harry Clinton Bigglestone Albert I. Mathre
St. Francis Hospital Evanston, Illinois	Vincent James T. Lenth Beulah Marie Smith John Frederick Smith
St. Joseph's Hospital Chicago, Illinois	Joseph Hancock Thomas Edmund B. Young
St. Joseph's Hospital South Bend, Indiana	Maurice J. Thornton
St. Joseph's Hospital Fort Wayne, Indiana	Robert W. Flynn Chester P. Fox Vincent J. Sutch
St. Louis City Hospital St. Louis, Missouri	Irwin Davis Fred Snider Etherton Melvin R. Guttman Howard R. Johnson Benjamin F. Kilgore John P. Mulcahy

St. Louis City Hospital St. Louis, Missouri (Cont.)	Arthur P. Picard Dewey M. Roberts Thomas C. Scott Ralph B. Snavely
St. Luke's Hospital Chicago, Illinois	Robert Crawford Robertson Alvin Stewart Thurston Wilbur Stuart Wood John Clarence Yockey
St. Mary of Nazareth Hospital Chicago, Illinois	Severo Francisco Mar
St. Mary's Hospital Grand Rapids, Michigan	John Francis Flynn
St. Vincent's Hospital Toledo, Ohio	Ivan Gilbert
University Hospital Chicago, Illinois	William G. Elliott
Hospital of St. Vincent de Paul Norfolk, Virginia	Loren Leslie Collins
West Side Hospital Chicago, Illinois	Arthur Reuben Cooper Harold Quintin Groos Russell Johnson Walter P. Tippett
West Suburan Hospital Oak Park, Illinois	Wm. Beringer Marcusson, Jr.
Western Pennsylvania Hospital Pittsburgh, Pennsylvania	Carl Maurice Neiberg
Washington Park Hospital Chicago, Illinois	Robert Neil Crow

SESSION OF 1923-1924

FOURTH YEAR CLASS

Abramson, William Frederick	*Illinois*
Armitage, Ralph Boyce, B.S.	*Illinois*
Bennett, Edmund Francis	*Illinois*
Bigglestone, Harry Clinton, A.B., B.S.	*Illinois*
Birch, Carroll LaFleur, B.S.	*Rhode Island*
Bolotin, Max Thomas, B.S.	*Illinois*
Brough, Glen Amos, A.B., B.S.	*Illinois*
Brown, Hyman Nathanson, B.S.	*Illinois*
Burns, George Creswell, B.S.	*Utah*
Collins, Loren Leslie, B.S.	*Illinois*
Colyer, Raymond Green, A.B., B.S.	*Illinois*
Conrad, Clyde Kenneth, B.S.	*Illinois*
Cooper, Arthur Reuben, Ph.D.	*Illinois*
Crow, Robert Neil, B.S.	*Illinois*
Davidson, Magni, A.B.	*North Dakota*
Davis, Irvin, B.S.	*Illinois*
Deuss, Hugo Otto, B.S.	*Illinois*
Edwards, Eugene Albert, B.S.	*Indiana*
Eliazo, Esteban Elicano, A.B., B.S.	*Philippine Islands*

Elliott, William Gibson, B.S.	*Michigan*
Eshman, Louis Aaron, B.S.	*Illinois*
Etherton, Fred Snider, B.S.	*Illinois*
Ettleson, Abraham, B.S.	*Illinois*
Eye, Charles Herold, B.S.	*Iowa*
Fischer, Jacob, B.S.	*Illinois*
Flynn, John Francis, B.S.	*Illinois*
Flynn, Robert William, B.S.	*Illinois*
Fox, Chester Philip, B.S.	*Illinois*
Gasser, John Jacob, B.S.	*Illinois*
Gevirtz, Milton B., B.S.	*Indiana*
Gilbert, Ivan, B.S.	*Illinois*
Glassoff, George Samuel	*Illinois*
Glickman, Leo Grant, B.S.	*Illinois*
Goebel, Russell Walter, B.S.	*Illinois*
Groos, Harold Quinten, B.S.	*Michigan*
Groves, Robert Leroy	*California*
Guttman, Melvin Reese, B.S.	*Illinois*
Halpern, Louis Joseph, B.S.	*Illinois*
Harris, Sigil Clance	*South Dakota*
Horsky, Brooke, B.S.	*Montana*
Jerkowsky, Morris Solomon, B.S.	*Illinois*
Johnson, Howard Reynold, B.S.	*Illinois*
Johnson, John Robert, B.S.	*Illinois*
Johnson, Russell, A.B., B.S.	*Iowa*
Kaplan, Samuel, B.S.	*Illinois*
Kellogg, Douglas Sheldon, B.S.	*Iowa*
Kenny, William Lloyd, B.S.	*Illinois*
Kilgore, Benjamin Franklin, B.S.	*Iowa*
King, Mrs. Paz Garcia, A.B., B.S.	*Illinois*
Kronenberg, Milton Henry, B.S.	*Illinois*
Leitch, Neil McLean, B.S.	*Illinois*
Lenth, Vincent Thomas James	*Illinois*
Lenzen, Aloysius Francis, A.B., B.S.	*Illinois*
Liebler, Wilbert Ashton, A.B., B.S.	*North Dakota*
Lifvendahl, Richard Axel, B.S.	*Illinois*
McNally, Andrew, Jr., B.S.	*Illinois*
Mar, Severo Francisco, B.S.	*Mexico*
Marcusson, William Beringer, Jr., B.S.	*Illinois*
Margolis, Jesse, B.S.	*Pennsylvania*
Mathre, Albert Ilmer, B.S.	*Illinois*
Meals, Robert Woodruff, B.S.	*Illinois*
Merchant, Henry Alpheus	*Kentucky*
Meyer, Raymond John, B.S.	*Illinois*
Moon, John Frank, B.S.	*Illinois*
Mora, Jacob Morton, B.S.	*Illinois*
Mulcahy John P., B.S.	*Illinois*
Neiberg, Carlton Maurice	*Pennsylvania*
Nowlin, Owen Wendell Emen, B.S.	*Illinois*
O'Hora, Clarence M., B.S.	*Wisconsin*

Perman, Louis William	*New York*
Picard, Arthur Paul, B.S.	*Illinois*
Poulson, Charles T., B.S.	*South Dakota*
Ralston, John Francis, B.S.	*Illinois*
Roberts, Dewey Minnis, B.S.	*Illinois*
Robertson, Robert Crawford, A.B., B.S., M.S.	*Illinois*
Robertson, Thomas Sanderson, B.S.	*Illinois*
Rogers, Jesse P., B.S.	*Pennsylvania*
Rosenblum, David, B.S.	*California*
Rubenstein, Joseph, B.S.	*Illinois*
Schafer, Robert, B.S.	*Illinois*
Scott, Thomas Craig	*Illinois*
Shapiro, Sherman Lawrence, B.S.	*Illinois*
Shayne, David Melman, B.S.	*Illinois*
Singer, Harry	*Illinois*
Smejkal, Frank John, B.S.	*Illinois*
Smith, Beulah Marie, B.S.	*Illinois*
Smith, Charles Raimer, B.S.	*Illinois*
Smith, John Frederick, B.S.	*Ohio*
Snavely, Ralph B., B.S.	*Illinois*
Solomon, Alfred P., A.B., B.S.	*Illinois*
Streicher, Michael Henry, B.S.	*Illinois*
Sutch, Vincent J., B.S.	*Illinois*
Talbot, Harry George, B.S.	*Wisconsin*
Thornton, Maurice John, B.S.	*Indiana*
Thurston, Alvin Stewart, B.S.	*Illinois*
Thomas, Joseph Hancock, B.S.	*Illinois*
Tippet, Walter Pierson, A.B.	*Wisconsin*
Toepfer, Raymond August, B.S.	*Wisconsin*
Uthoff, Carl Joseph, B.S.	*Illinois*
Vener, Hyman, B.S.	*California*
Weiner, Samuel, B.S.	*Illinois*
Wood, Wilbur Stuart, B.S.	*Illinois*
Wilke, Carl August, B.S.	*Illinois*
Yockey, John Clarence, B.S.	*Illinois*
Young, Edmund Valient, B.S.	*Illinois*

THIRD YEAR CLASS

Alford, Frank Lambert	*Illinois*
Armstrong, Ray Conway, B.S.	*Illinois*
Athanas, Grant Vahan, B.S.	*Illinois*
Bard, Reuben, B.S.	*Illinois*
Batko, Jack B., B.S.	*Illinois*
Bass, Howard, B.S.	*Illinois*
Bengtson, Bengt Norman, B.S.	*Illinois*
Besta, Charles John, B.S.	*Illinois*
Blye, Franklin Wetmore	*Illinois*
Boelio, Louis N., B.S.	*Illinois*
Bond, Robert Emerson, B.S.	*Illinois*
Brandenburg, Kenneth Charles, B.S.	*Illinois*

Brewer, Lewis Rawlings, B.S.	*Illinois*
Briney, Walter Frederick, B.S.	*Illinois*
Brodboll, Nora Florence, B.S.	*Illinois*
Brunkow, Charles Daniel	*Iowa*
Cameron, Stuart, B.S.	*Illinois*
Carrell, William Dayton, B.S.	*Illinois*
Connelly, Marie Louise, A.B., B.S.	*Colorado*
Davison, Claude Lorraine, A.B., B.S.	*Illinois*
Dawley, Walter Averill, B.S.	*South Dakota*
Deitchman, Morris Michael, B.S.	*Illinois*
Dorman, Marion Purman, A.S.	*Illinois*
Douglas, Robert James, B.S.	*Illinois*
Down, Howard Ivan, A.B.	*Iowa*
Edwards, Robert William, B.S.	*Illinois*
Emmerling, Carl James, B.S.	*Illinois*
Engelhard, Herbert Harter, B.S.	*Illinois*
Epstein, Casper Morris, B.S.	*Illinois*
Fahlstrom, Stanley Charles William, B.S.	*Illinois*
Fairchild, John Edward, B.S.	*Illinois*
Fillingham, Enid, B.S.	*Indiana*
Florin, Alvin Christian, B.S.	*Wisconsin*
Furness, Carl Nathaniel, B.S.	*Illinois*
Gellenthien, Carl Herman, B.S.	*Illinois*
Gibbel, Jonathan Paul, A.B.	*Illinois*
Graham, Kenneth Donald, B.S.	*North Dakota*
Harman, Hubert	*Wisconsin*
Harter, Joseph Albert, B.S.	*Illinois*
Hawkins, Herman Wientzel	*Illinois*
Hedges, Lafayette Abbott, B.S.	*Kansas*
Hill, Lewis Rowland, B.S., M.S.,	*Illinois*
Humiston, Homer Wheeler, B.S.	*Illinois*
Inman, Richard Frank, Jr., B.S.	*Illinois*
Jacobziner, Harold Morris, B.S.	*New York*
Jameson, Paul Vadalin	*Utah*
Johnson, Clarence A.	*North Dakota*
Johnson, Reinhold Enoch, B.S.	*Illinois*
Jones, Earnest Eugene, B.S.	*Illinois*
Kaminsky, Hyman, B.S.	*Illinois*
Katzman, George Manual, B.S.	*Illinois*
Kleinman, Bernard Samuel, B.S.	*Illinois*
Kuner, Samuel, B.S.	*New York*
Ledford, Roy Merl, B.S.	*Illinois*
Levy, Benjamin, B.S.	*Illinois*
Lipsett, Edward Maurice, A.B.	*New York*
Lorance, Luther Mohler, B.S.	*Illinois*
MacCornack, Donald Maxwell, B.S.	*Wisconsin*
McCradie, Raymond Stewart, M.S.	*Minnesota*
McKinstry, John William, B.S.	*Indiana*
McMillan, John Charles, B.S.	*Illinois*
Mailer, Andrew Robert	*Illinois*

Marsh, Howard LaRue, B.S., M.S.,	*Pennsylvania*
Maslow, Leo, B.S.	*Illinois*
Mercer, Alonzo Maceo, B.S.	*Illinois*
Meyerson, Solomon, B.S.	*Illinois*
Miller, Clayton O., B.S.	*Illinois*
Mishkin, Herman Louis, B.S.	*Illinois*
Mohr, Truman Jacob, B.S.	*Ohio*
Moxon, George William, B.S.	*Wisconsin*
Neiman, Aaron, B.S.	*Illinois*
Notinger, Louis	*Illinois*
Novak, Julius B., B.S.	*Illinois*
Ozonoff, Jacob Borah	*Illinois*
Pavlin, Otto Bohemil, B.S	*Illinois*
Pawlisch, Otto Victor, B.S.	*Wisconsin*
Peterson, Herbert William	*Minnesota*
Pfeifer, Oliver Conrad, B.S.	*Illinois*
Pieczynski, John Leo, B.S.	*Illinois*
Ponzer, Emma, A.B., B.S.	*Illinois*
Prehn, Fred C., B.S.	*Wisconsin*
Richter, Oscar, B.S.	*Illinois*
Rinehart, William Galeard, Ph.G , B.S.	*Illinois*
Rosenbloom, Harold H., B.S.	*Illinois*
Rosenblum, Samuel, B.S.	*Illinois*
Rosengard, Jerome	*Illinois*
Ross, Hector Morrison	*Illinois*
Ryan, Lawrence Donat, B.S.	*Illinois*
Santos, Juan Cuiugan, A.B., B.S.	*Philippine Islands*
Schultz, Louis William, D.D.S.	*Illinois*
Sculley, Jesse Casstevens, B.S.	*Illinois*
Seletz, Rose Rachelle	*Indiana*
Seuerian, Arshag, A.M.	*Wisconsin*
Shalla, Leon Stanley, B.S.	*Illinois*
Shifrin, Max, B.S.	*Illinois*
Shore, Samuel	*Illinois*
Shurtz, William Gooding, B.S.	*Saskatchewan*
Smith, Horace Frederick	*Illinois*
Stamler, Allan Erwin, B.S.	*Illinois*
Steckbauer, Clifford Earle, B.S.	*Illinois*
Steinert, Lars Eric Theodore, B.S.	*Illinois*
Steinman, Floyd Hough, B.S.	*Illinois*
Stephens, Harry Hart, B.S.	*Illinois*
Sugar, Sol Ascher, B.S.	*Illinois*
Sugars, Roy Thomas, B.S.	*Wisconsin*
Sukumlyn, Stephen Williams	*North Dakota*
Vincent, Helen Ruth	*Illinois*
Weinbaum, Abraham M.	*Illinois*
Williamson, Wayne Shepherd	*Illinois*
Winston, Woody Maurice, A.B.	*Illinois*
Wong, David Marndell, B.S.	*Illinois*
Yancovsky, Samuel	*Illinois*

SECOND YEAR CLASS

Abelson, Sol M.	*Illinois*
Amesbury, Harry Arlo	*Illinois*
Amtman, Leo	*Illinois*
Bancroft, Burton Richard	*Illinois*
Banton, Huston	*Illinois*
Barber, Albert Carlos, Jr.	*Illinois*
Barber, Cecil F.	*New York*
Beabout, Jesse Franklin	*Illinois*
Beguesse, Hubert Hugh	*Trinidad, B. W. I.*
Belting, John Theodore	*Illinois*
Belyea, Reginald Joy	*Illinois*
Benzie, Clinton A.	*Michigan*
Berardi, James Bernard, Ph.G.	*Illinois*
Bernstein, Theodore	*Illinois*
Bohner, Caryle Bernard	*Illinois*
Bohrod, Milton G.	*Illinois*
Bridegroom, Hugh Ginther	*Indiana*
Brown, Raymond Calvin	*Illinois*
Bull, John Willard	*Illinois*
Bullock, Norman Charles	*Illinois*
Burns, Melton Burdett	*Utah*
Canan, Mack Clelland	*Illinois*
Carr, Claire Eugene	*Illinois*
Cassidy, Harold Bernard	*Illinois*
Chesnut, Nelson Hole	*Illinois*
Ciesla, Joseph	*Illinois*
Collins, Harold James	*Illinois*
Cox, Ethelbert Fitz-Randolph	*British West Indies*
Crean, Chester	*Illinois*
Cronwell, Bernhard Johannes, Jr.	*Illinois*
DeLano, Percy J.	*Illinois*
DiCosola, Ralph	*Illinois*
Ellowitz, Hyman	*California*
Esslinger, Paul Henry	*Illinois*
Eubanks, John Edward Jr., B.S.	*Illinois*
Ewert, Earl Ernest	*Illinois*
Fellows, Manley Fording	*Illinois*
Giryotas, Emelia Josephine, B.S.	*Illinois*
Giryotas, Stanley Joseph	*Illinois*
Goldberg, Samuel Silas	*Illinois*
Golub, Hyman William	*Illinois*
Hall, Andy, Jr.	*Illinois*
Halpern, Isadore	*Illinois*
Hantover, Matthew James	*Illinois*
Harper, LeRoy	*Wisconsin*
Harris, Harry Clay	*Alabama*
Hatzis, Peter Nicholas	*Illinois*
Hedberg, Carl	*Michigan*
Hoffman, Samuel Julius	*Illinois*

Holt, Mrs. Janet Louise	*Illinois*
Hruby, Frank Edward	*Illinois*
Hubbard, Roger Wolcutt	*Illinois*
Iglowitz, Max	*Illinois*
Isenhart, Lawrence Francis	*Illinois*
Jackson, Thomas, B.S.	*Illinois*
Jacobson, Jacob Robert	*Illinois*
James, Walter Franklin	*Illinois*
Jurgens, Johanas John	*Illinois*
Kearns, Jerry Joseph	*Illinois*
Kelso, Raymond William, R.Ph.	*Illinois*
Killinger, Donald William	*Illinois*
Kionka, Paul Frederick	*Illinois*
Koehler, Elmer George	*Illinois*
Kroeger, Clarence Roland	*Arizona*
Law, Philip Montgomery	*Wisconsin*
Lazar, Nathan Kent	*Illinois*
Lee, Seymour Rowland	*South Dakota*
Lester, Rollin Harold	*Illinois*
Levin, Maurice	*Illinois*
Levin, Samuel Arthur	*Illinois*
Levy, Jacob	*New York*
Lifshin, Jacob Aaron	*Illinois*
McDaniel, Lee Roy	*Illinois*
McDaniel, Paul Howard	*Illinois*
McIntyre, Elbridge Albert	*Illinois*
Marshall, Alexander George	*Illinois*
Mullen, Timothy F., Jr.	*Illinois*
Nelson, Samuel Bennett	*Illinois*
Nowlin, Wilfred Jonathan	*Illinois*
Olson, Carl Lester Elmer	*Iowa*
Peluse, Samuel	*Illinois*
Pintzow, Michael Zalman	*Illinois*
Polse, Max Louis, A.B.	*California*
Porter, Elza Carl	*Ohio*
Pumphrey, Loira Cromwell	*Illinois*
Raymond, Sidney Wallace	*Illinois*
Roan, Charles Frederick	*Illinois*
Robertson, Russell Lindsey	*Illinois*
Robinson, Leon Edward, A.B.	*Illinois*
Rooney, Eugene John	*Illinois*
Rosenberg, Robert	*Illinois*
Rosenblum, Abraham Irving	*Illinois*
Russell, Thelma Leota	*Kansas*
Ryder, Bruce Ivan	*Illinois*
Sarven, James David, A.B.	*Florida*
Schori, John Wheeler	*Illinois*
Seid, Reuben	*Illinois*
Seinfeld, Samuel Gero	*Illinois*
Selden, Bryant Richard	*Illinois*

Sender, Frank Robert	*Illinois*
Shurtz, Richard Charles	*Illinois*
Sigalowa, Dwoira Gershewa	*Russia*
Smith, Wilbur Childress	*Illinois*
Stoll, Charles Gilbert	*Illinois*
Switzer, Lars Waldorf	*Michigan*
Taylor, Eugene Emmerson	*Illinois*
Tenczar, John Francis	*Illinois*
Tracy, Grover	*Illinois*
Turner, Edward Claude	*Illinois*
Waggoner, Charles VanEpps	*Iowa*
Wiese, Max Edward	*California*
Witters, Josef Edward, A.B.	*Michigan*

FIRST YEAR CLASS

Alexander, John Richardson	*Illinois*
Anderson, Dwight Wilson	*Illinois*
Anthony, Abel Cornelius	*British Guiana, S. A.*
Austin, Amon	*British Guiana, S. A.*
Bagley, Frank Albert	*Missouri*
Baker, Alonzo Newton	*Illinois*
Baldridge, William Odus	*Indiana*
Bartels, Elmer Clarence	*Ohio*
Belous, Leon P.	*Illinois*
Blackard, William James, Jr.	*Illinois*
Blickhan, Norbert Alois	*Illinois*
Boikansky, William	*Illinois*
Bowers, Roscoe Rufus	*Illinois*
Bown, Albert Joseph	*Illinois*
Brown, Cecil David	*Illinois*
Brown, Florence Amelia	*Illinois*
Bruner, Allen Maxwell	*Illinois*
Cain, Con Rice	*Illinois*
Caro, Marcus R.	*Illinois*
Carswell, James, Jr.	*Illinois*
Cohan, Arthur R.	*Illinois*
Cohen, Abraham Emil	*Illinois*
Cooper, William Henry	*Illinois*
Cywinski, Casimir Arthur	*Illinois*
Dewhirst, Ernest Maxwell	*Illinois*
Dunne, Numa Pompelius	*Arizona*
Ellis, Harry David	*Illinois*
Fabricant, Noah Daniel	*Illinois*
Fallon, Walter Raymond, Ph.G.	*Illinois*
Ferguson, Fred Grant	*Illinois*
Finesilver, Ilia	*Illinois*
Fishel, John Virgil	*Illinois*
Fishman, Louis Zolo	*Illinois*
Franklin, Dorothy Miriam, A.B.	*Arizona*
Gaberman, Peter	*Illinois*

Gerdes, Galen Glen	*Illinois*
Glasgow, Glen Earl	*Illinois*
Goldberg, Abraham Hyman	*Illinois*
Gorfinkle, Leon Harold	*Illinois*
Grabarski, Edward Albert	*Illinois*
Greeley, Paul Webb	*Illinois*
Haley, Paul Edward	*Illinois*
Healy, Cornelius Edward	*Illinois*
Herron, Earl	*Illinois*
Hotz, Carl Julius Henry	*Illinois*
Howell, James, A.S.	*Illinois*
Huston, Hubert Spangler, Ph.G.	*Illinois*
Hutchens, Lucius Lester	*Illinois*
Jacobson, Herman Alfred	*Illinois*
Jodar, Emery Orville	*Illinois*
Johnson, Claibourne Elijah	*Illinois*
Jordan, Donald Voorhees	*Minnesota*
Kaplan, Hyman Joseph	*Illinois*
Karabin, Andrew LeRoy	*Illinois*
Kennedy, Rudolph Francis	*Illinois*
Kishpaugh, Harold William	*Illinois*
Kistner, Arthur Wesley	*Indiana*
Kolhagen, Olive Elizabeth	*Illinois*
Kopple, Abraham Louis	*Iowa*
Kraut, Harry	*Illinois*
Lauer, Calvin Albert	*Illinois*
Lauten, William Frederick	*Illinois*
Leach, Jule Gurtler	*Illinois*
Levy, Mayer Harold	*Illinois*
Lifschultz, Leo	*Illinois*
Littig, John James	*Illinois*
McGee, John Paul	*Pennsylvania*
McMillan, Foster Lamont	*Illinois*
Marks, Jacob Louis	*Illinois*
Mason, John Cyrus	*Illinois*
Mearns, Jack Greene	*Michigan*
Milles, George, Ph.G.	*Illinois*
Nabitowsky, Philip Morris	*Illinois*
Nash, Herbert Thomas	*Illinois*
Okada, Haruto	*Hawaii*
Parmacek, Louis	*Illinois*
Peterson, Ralph Otis	*Illinois*
Quillman, Frank L.	*Illinois*
Randolph, Charles Ethelbert, B.S.	*Illinois*
Richburg, Louis Allan	*Illinois*
Richburg, Welton Edwin	*Illinois*
Rosenblum, Albert Frank	*Illinois*
Sarnoff, Herbert Spencer	*Illinois*
Schneider, Adolph Edward	*Illinois*
Schorr, Arthur Melville	*Illinois*

Schroeder, Sophie Willene	*Illinois*
Sideman, Sidney	*Illinois*
Slutzkin, Sergius F.	*Illinois*
Sodaro, Nicholas Ernest	*Illinois*
Sokol, Louis Irwin	*Illinois*
Stein, Clarence Cornelius	*Illinois*
Stephen, Leland Clare Joseph	*Illinois*
Stollar, Clyde Peter	*Illinois*
Tarry, George William	*Illinois*
Taylor, James Sherwood	*Illinois*
Topping, Malachi Combs	*Indiana*
Waldman, Leonard Francis	*Illinois*
Wegrzyn, Louis Stanley	*New Jersey*
Western, Fred Burnham	*Illinois*
Williams, Wilburn Jewell	*Missouri*

UNIVERSITY OF ILLINOIS
THE GRADUATE SCHOOL

Graduate Courses in Medical Sciences

Departments of

Anatomy, Pathology and Bacteriology, Pharmacology, Physiology and Physiological Chemistry

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Announcement for
Summer Quarter of 1924
June 9–September 11, and
Session of 1924-25,
1924

THE GRADUATE SCHOOL

THE EXECUTIVE FACULTY[1]

DAVID KINLEY, PH.D., LL.D., PRESIDENT OF THE UNIVERSITY

ARTHUR HILL DANIELS, PH.D., *Professor of Philosophy and Dean of Graduate School*
ROGER ADAMS, PH.D., *Professor of Organic Chemistry*
ERNEST BERNBAUM, PH.D., *Professor of English*
WILLIAM LEONIDAS BURLISON, PH.D., *Professor of Crop Production*
EDWARD HERBERT CAMERON, PH.D., *Professor of Educational Psychology*
ALBERT PRUDEN CARMAN, A.M., D.SC., *Professor of Physics*
LAURENCE MARCELLUS LARSON, PH.D., *Professor of History*
WILLIAM ABBOTT OLDFATHER, PH.D., *Professor of Classics*
HENRY PERLEY RUSK, M.S., *Professor of Beef Cattle Husbandry*
ARTHUR NEWELL TALBOT, C.E., D.SC., D.ENG., *Professor of Municipal and Sanitary Engineering and in charge of Theoretical and Applied Mechanics*
EDGAR JEROME TOWNSEND, PH.D., LL.D., *Professor of Mathematics*
HENRY BALDWIN WARD, PH.D., D.SC., *Professor of Zoology*
GORDON S. WATKINS, PH.D., *Associate Professor of Economics*
ARTHUR CUTTS WILLARD, B.S., *Professor of Heating and Ventilation*
GEORGE PHILIP TUTTLE, JR., B.S., *Registrar and Secretary of the Executive Faculty*

STANDING COMMITTEE ON GRADUATE WORK IN THE MEDICAL SCIENCES

HENRY BALDWIN WARD, PH.D., *Chairman*
ALBERT CHAUNCEY EYCLESHYMER, PH.D., M.D.
FREDERICK BROWN MOOREHEAD, M.S., D.D.S., M.D.
DAVID JOHN DAVIS, PH.D., M.D.
WILLIAM HENRY WELKER, PH.D., *Secretary*

THE TEACHING FACULTY[2]

1923-24

ALBERT CHAUNCEY EYCLESHYMER, PH.D., M.D., *Professor and Head of the Department of Anatomy and Director of Graduate Work in the Medical Sciences*
DAVID JOHN DAVIS, PH.D., M.D., *Professor and Head of the Department of Pathology*
HUGH ALISTER MCGUIGAN, PH.D., M.D., *Professor and Head of the Department of Pharmacology, Materia Medica, and Therapeutics*
WILLIAM HENRY WELKER, PH.D., *Professor of Physiological Chemistry*
VICTOR EMANUEL EMMEL, PH.D., *Professor of Anatomy*
ROY LEE MOODIE, PH.D., *Associate Professor of Anatomy*
WILLIAM F. PETERSON, M.D., *Associate Professor of Pathology*

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[1] The administration of the Graduate School is conducted by the Executive Faculty, appointed from year to year by the President on nomination of various departments and recommendation of the Dean of the Graduate School.

[2] The Teaching Faculty includes all those who at any time give courses of strictly graduate character. Such courses are accepted for major credit and are numbered one hundred and upwards. For the present such courses are offered by the above faculty.

GRADUATE WORK IN THE MEDICAL SCIENCES

ADMISSION

Admission to the Graduate School may be granted to graduates of institutions whose requirements for the bachelor's degree are substantially equivalent to those of the University of Illinois, and to applicants from other institutions approved by the Executive Faculty, as hereinafter provided. *Admission to the Graduate School does not, however, imply admission to candidacy for an advanced degree, and gives no right or claim to be so admitted. Such candidacy is determined by the faculty after the student has demonstrated by his work here, for from two to five months, that he has ability to do major work of graduate character. A mere accumulation of "credits" or "grades" is not sufficient.*

Admission to graduate courses may be granted only to those who have had the requisite undergraduate work in those courses or departments. But a student of mature age who satisfies the Director and the department concerned of his ability to pursue graduate work in a given line may be enrolled in particular graduate courses, without reference to a degree, and permitted to carry on such study or investigation under the direction of a department of the University as the department shall recommend and the Dean approve.

Application blanks for admission may be secured from the Registrar of the University. Every applicant must submit with his application for admission an official transcript of his college record.

REGISTRATION AND PROGRAM OF STUDY

The following regulations concerning registration and program of studies are laid out primarily for first-year students. Second-year and third-year graduate students fill out their programs irrrespective of the unit value of courses, according to their needs, under the advice of their instructors.

Registration.—Each graduate student must register when he first connects himself with the University, and afterwards at the beginning of each semester.

The registration of a new student may be accepted at any time provided the student is prepared to take up courses actually under way. Credit towards the fulfillment of the residence requirement dates, however, from the time of registration and not from the beginning of the semester or year in which the student enters. Registration will not be permitted later in the year than April 1, except in the case of students who expect to continue through the summer session, or are returning to complete a year's work which has been broken into by illness or other unavoidable interruption.

The first registration, or that on entrance, is permitted only after the student's application for admission to the Graduate School, setting forth his educational attainments, has been duly approved.

Transfer of Undergraduate Credit.—No credit earned during the under-graduate course may be transferred for graduate credit, unless such credit was earned in time additional to the time normally required for the bachelor's degree, in the second semester of the senior year, and then only for minor subjects, and on petition.

If at the end of the first semester of his senior year a student has so far completed his work for the bachelor's degree that his program for the second semester is not full, he may elect one or more graduate courses. But such election must be in accordance with Graduate School rules and must be approved by the Director at the time of registration.

In no case may courses be counted for graduate credit on a program which requires more than twelve formal class, lecture or laboratory exercises a week.

Failures.—A graduate student who fails in any course in his major subject cannot secure his degree in the same year in which the failure occurred. No condition examinations are given graduate students.

Students on the Staff.—Assistants and others on the University staff who undertake to do graduate work are permitted to take an amount of work determined by the terms of their employment. Such a student, if required by his engagements to teach more than five classes a week or to have laboratory work or supervision exceeding ten hours a week, may not receive his master's degree at the end of one year, nor his doctor's degree at the end of three.

Residence and Work Done Elsewhere.—Continuous residence and study are required of all members of the Graduate School, unless they are granted leave of absence by the Director, upon recommendation of the professor in charge of their work, for the purpose of carrying on elsewhere studies or investigation in the line of work for their degrees.

Members of the staff who have done graduate work in approved institutions elsewhere may secure credit not to exceed four units towards the master's degree by passing examinations in that work. They may complete the work for the degree by securing at least four units more while registered in the Graduate School for not less than one academic year.

Withdrawal.—If after registration a graduate student wishes to withdraw from any course or to add other work, he must first secure the necessary papers from the Director's office. (See the regulations concerning changes in study lists, page 11 of the Graduate School Circular.) If he wishes to withdraw from the University he must get clearance papers at the Director's office.

DEGREES

The Degree of Master of Science

Character of Master's Degrees.—The master's degree conferred depends upon the character of the bachelor's degree. The usual practice is that A.M. shall follow A.B., and that M.S. shall follow B.S. However, this practice may be departed from in cases where the undergraduate course of study was of a kind for which some reputable institutions in this country give A.B., while others give B.S. Such departure from the regular practice is permitted, however, only on individual petition duly approved.

Amount of Work Required.—Candidates for the degree of Master of Arts or Master of Science are required to do at least one full year's work in residence, including a thesis. By this is meant from four to five unit courses each semester, or their equivalent. A unit course is one which requires ten hours of time a week through one semester, or fifteen hours of time a week through the summer quarter of twelve weeks, irrespective of the mode of distribution of that time in class work, laboratory work, and private study. Four such courses or their equivalent constitute a full *minimum* program for one semester, and eight such courses, or their equivalent, constitute the *minimum formal* year's work accepted for a master's degree. Only first-rate students are permitted to secure a degree with this minimum program.

Unless otherwise permitted, on individual petition duly approved, every student must take each semester at least one course open to graduate students only (courses numbered 100 and upwards).

In the first year of his graduate study each student is required to attend a minimum of four formal class, lecture or laboratory exercises a week. In no case is he permitted during his course to attend more than twelve a week, without permission.

Grades.—Student's work is graded in five classes, A, B, C, D, and E. The last indicates a failure. D indicates unsatisfactory, though passable, work.

A student who receives two units of a grade below B during his first year of graduate work may not complete the first year of residence by carrying the minimum program of eight units for the master's degree. Three units of a grade below B disqualify a student as a candidate for a degree.

A failure or absence from examination in any course may prevent the conferring of the degree; and, as already indicated, failure in any course in the major field precludes the conferring of the degree in the same year.

Majors and Minors.—A candidate for a master's degree may do all his work in one subject, or he may select a major and one minor, or a major and two minors. A major or minor denotes the field of knowledge of a department, or such part thereof as constitutes a separate and independent division of that field. For a master's degree a major is at least half the work, or a minimum of four units, for one year. Less than one unit may not be counted as satisfying the requirements of a minor without the approval of the department concerned.

Foreign Language.—The ability to use one or more of the modern languages ordinarily studied in the undergraduate curriculum is expected of all candidates for the master's degree, and in some lines of study is required. On this matter students should consult the heads of the departments in which their major subjects lie.

Master's Thesis.—Each candidate for a master's degree is required to present a thesis on some subject approved by the professor in charge of his major work and the Executive Faculty of the Graduate School. The thesis subject must be sent to the Dean of the Graduate School for approval by the Executive Faculty before the completion of the first third of the work for the degree. The requirement of a thesis may be waived, however, upon the recommendation of the head of the department in which the student is doing his major work and the approval of the Director, provided application to waive the thesis is made at the beginning of the year. A student excused from writing a thesis must replace it with additional courses of instruction.

No one will be excused from writing a thesis unless one-half of his program of studies consists of courses numbered 100 and upwards.

The thesis required from a candidate for a master's degree ordinarily will demand one-fourth of the student's time and may not exceed one-third of it. The thesis must be typewritten, on "thesis-paper,"[1] and the title page must be printed. The thesis in its final form, together with a certificate of approval by the proper officer, must be sent by the professor in charge to the Dean's office at least two weeks before the date on which the degree is to be conferred. No article prepared for another use, or previously published, will be accepted as a thesis.

Under proper conditions a student may be permitted to complete the last fourth of his work, if devoted to his thesis, under leave of absence. To get such permission the student must have secured proper credit for at least six units; must petition for the privilege; must submit to the Dean an outline of the proposed investigation, approved by the head of his major department; and must submit satisfactory evidence that adequate facilities are available to him at the place where he intends to do the proposed work. Approval on all these points must be obtained one collegiate year before the thesis is due.

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[1] No other will be accepted by the Dean. "Instructions for the Preparation of Theses" may be obtained at the Secretary's office, Room 309.

The Degree of Doctor of Philosophy

Majors and Minors.—Each student who is seeking this degree is expected to choose for study and final examination a major subject, or field of study, and a first and a second minor. The major subject is the field in which the student expects to become expert and an authority. One minor must be a subject closely related to the major and may, under certain conditions and with proper approval, be a subdivision of the major field of study. The remaining minor must be chosen outside of the major field of study.

For the doctor's degree no definite division of a student's time among major and minors can be made, to hold in all cases. In general the faculty approves an arrangement which, distributing the student's time through the required three years, divides it equally among his three subjects in his first year of graduate study; in the proportion of two to one, as between his major and first minor, in the second year of graduate study (his second minor being finished and dropped at the end of the first year); and gives all his time to his major during his third year.

While "full-time work" in the first year of graduate study, leading usually to a master's degree, is at least eight units for the two semesters, full-time work after the first year is not reckoned in units. The student is simply required to devote all his time to his work. Nor is there any necessary correspondence between the number of courses taken and the number of units required in the first year, or full-time work in any year. A first-year student might possibly secure all the credit necessary in two or three courses; and a second-year or third-year student might conceivably be devoting all his time to one course and his research or to his research alone.

Period of Study.—The *minimum* period of study required for securing the degree of Doctor of Philosophy is three years, during which the student is required to devote all his working time to his studies. All three years must be spent in residence at some accredited educational institution, and either the first two or the last one of the three must be spent at the University of Illinois. The degree is conferred, however, not for residence during a certain period, but for scholarly attainments and power of investigation, as proved by thesis and examinations.

Credit for work done in other universities is not "transferred." The candidate is examined here on the subjects offered by him for the advanced degree. However, his period of residence at another institution of proper grade may be accepted in fulfillment of the residence requirement of the University of Illinois, so far as it goes.

EXAMINATIONS

Preliminary.—*A. In major and minors.*—Towards the end of his second year of study, or by special permission, at the beginning of his third year, the candidate for the degree must submit to a preliminary examination, in order to determine whether he will be accepted as a candidate for the degree in the following year. This examination is intended to test the student's knowledge of the fields of his major and minor subjects of study only. It is partly oral, and may be wholly so.

The student will not be admitted to his preliminary examination until the faculty is satisfied that he has finished substantially the equivalent of two years' graduate work. He must do a full year's graduate work between his preliminary examination and the completion of his work for the doctorate.

B. In Languages.—The candidate will be required to demonstrate his ability to read French and German and other languages needed in his work. This test of proficiency in the use of French and German must be passed before the student is admitted to the preliminary examination in major and minor subjects.

Final Examination.—At least two weeks before the time when the degree is conferred, the candidate must submit to a final examination, given by a committee appointed by the Dean. This examination is primarily on the research work of the student, as embodied in his thesis, but is not confined to that. It extends to the whole field of study of the candidate. It will not be confined to the courses which the candidate has attended in the University of Illinois only, if he has done part of the work elsewhere; nor even to the field covered by the courses specifically taken in this or other universities; but will be so conducted as to determine whether the candidate has a satisfactory grasp of his major subject as a whole, and a general acquaintance with the fields of knowledge represented by his course of study.

The final examination may not be divided. The examination must be taken all at one time even tho it requires several sessions.

If after having passed his preliminary examination, he fails in the third year of his study to meet the expectations of the professors in charge of his work, or in any way fails to maintain the standard of scholarship and power of research expected of him, he may be refused admission to the final examination.

Other Examinations.—Before the candidate is admitted to the final examination and the defense of his thesis, he may be required to take any other examination, oral or written, that is thought proper by the various departments in which he has studied.

The above examinations are in addition to those in the courses for which the student is registered. These must be taken at times for which they are set in the examination schedule.

No candidate who does not secure a record of B or higher in at least three-fourths of his work will be recommended for the degree.

Thesis.—The power of independent research must be shown by the production of a thesis on some topic connected with the major subject of study. The candidate is expected to defend his thesis or dissertation before the members of the faculty, or as many of them as may wish to question him about it, in connection with his final examination.

The subject of the thesis should be chosen not later than the end of the second year of residence and must be submitted for formal approval by the faculty not later than six weeks from the beginning of his third year of residence.

A typewritten copy of the complete thesis, *on thesis paper*,[1] and in final form must be deposited in the office of the Dean for presentation to the examining committee not later than two weeks prior to the final examination, and not less than four weeks before the time when the degree is conferred. At the same time, the candidate must deposit with the Dean a manuscript of the essential part, or an abstract, or a digest of his thesis, in condition for publication at a cost not to exceed seventy-five dollars ($75). The manuscript must be sufficient to show the method followed, the evidence used and the conclusions reached in the investigation, and must bear the approval of the department and the Executive Faculty of the Graduate School.

The candidate must pay to the Comptroller before graduation the sum of seventy-five dollars ($75) out of which the University will print at least one hundred copies of this manuscript for circulation by the University, unless the thesis entire or in abbreviated form is published by the author or is accepted for publication by a standard journal or publisher within a year from the date of graduation. In the latter event, and after one hundred copies have been presented to the University by the writer, the cash deposit shall be returned to him.

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[1] No other will be accepted by the Dean.

The typewritten and printed forms of the thesis must comply with the regulations given in "instructions for the preparation of masters' and doctors' theses," copies of which may be obtained at the Dean's office on application.

FEES AND EXPENSES.—Except as noted below, graduate students in medicine pay fees as follows:

Matriculation fee	$10.00
Incidental fee (summer quarter)	20.00
Students not residents of Illinois pay an incidental fee of	30.00
Incidental fee (semester)	25.00
Students not residents of Illinois pay each semester an incidental fee of	37.50
Laboratory deposit (each quarter or semester)	15.00
Diploma fee	10.00

GRADUATE SCHOLARSHIPS AND FELLOWSHIPS

A number of scholarships and fellowships have been established by the Trustees of the University. To first-year graduate students of ability and promise there are open a number of scholarships with a stipend of $300 each and freedom from tuition, incidental, and laboratory fees. To second-year and third-year graduate students, that is, those who have had one or two years of graduate study, there are open fellowships with a stipend varying from $300 to $500, with freedom from the above-mentioned fees. The larger stipends are given only to students who are expected to take their degreess within the year. Each holder of a fellowship or scholarship must pay the matriculation fee of ten dollars, unless he holds a first degree from the University of Illinois, and also the diploma fee of five dollars on receiving his diploma.

Candidates for these scholarships and fellowships must be graduates of the University of Illinois or of colleges or universities having equivalent requirements for bachelors' degrees.

Application must be made on blanks to be obtained from the Dean of the Graduate School. These application forms should be sent to the Dean of the Graduate School as early as possible in February of the academic year preceding that for which the fellowship is desired. No application will be considered if received later than March first, until after April fifteenth, the date when appointees from the first list of applicants must accept or refuse their appointments.

Persons appointed are notified on April first and must send the Secretary of the Board of Trustees notice of their acceptance or refusal by April fifteenth and must agree that, if accepted, the appointment will not be resigned to take a similar one in any other institution during the year for which it is awarded.

Nominations to fellowships are made on the grounds of worthiness of character, scholastic attainments, and promise of success in the principal line of study or research to which the candidate proposes to devote himself. Scholarships and fellowships are not given to candidates who are over thirty years of age at the time when the appointment is to be made.

An appointment as honorary fellow, without stipend, may be made as specified for paid fellowships in the case of one who has shown distinguished merit in his work.

All graduate students who have not matriculated as undergraduates at the University of Illinois pay the matriculation fee on entrance.

All graduate students pay the diploma fee on being recommended for their degrees.

No tuition or incidental fee is charged for graduate courses to members of the corps of instruction, or of the staffs of the scientific bureaus of experiment stations who are appointed by the Board of Trustees, nor for undergraduate courses on their study lists if approved by the heads of the departments and by the Dean of the School as necesary or desirable for the proper completion of the work for the degree.

Each student working in laboratories is required to make a deposit of fifteen dollars to pay for chemicals and apparatus used and for any breakage or damage. No charge or deposits for laboratory materials are required from members of the corps of instruction or the scientific staffs mentioned above.

DEPARTMENTS OF INSTRUCTION

ANATOMY

101. HISTOGENESIS.—A study of the structural changes in tissues and their elements, which are directly correlated with normal processes, such as growth, activity, rest, fatigue, senility. Laboratory course with occasional lectures and assigned reading. *One or two units.*
Professor EYCLESHYMER, Professor EMMEL, and Associate Professor MOODIE

103. INDIVIDUAL RESEARCH AND EMBRYOLOGY AND HISTOGENESIS.—*One or two units.*
Professor EYCLESHYMER, Professor EMMEL, and Associate Professor MOODIE

PHARMACOLOGY

101. ADVANCED PHARMACODYNAMICS.—Laboratory work.—*One or two units.*
Professor McGUIGAN

103. RESEARCH WORK IN PHARMACODYNAMICS.—*One or two units.* Professor McGUIGAN

PHYSIOLOGY AND PHYSIOLOGICAL CHEMISTRY

101. ADVANCED BIOLOGICAL CHEMISTRY.—Biochemical methods of research, biological colloids, enzyme action, and metabolism.—*One or two units.* Professor WELKER

103. BIOCHEMICAL RESEARCH.—*One or two units.* Professor WELKER

105. ADVANCED PHYSIOLOGY.—An introduction to original work in Experimental Physiology. Individual instruction in fundamental methods. Laboratory course.—*One or two units.* ————————

109. RESEARCH WORK IN PHYSIOLOGY.—*One or two units.* ————————

PATHOLOGY AND BACTERIOLOGY

101. ADVANCED PATHOGENESIS.—Etiology and pathogenesis of certain diseases with especial consideration of the role that the lower animals play in the transmission of human disease. Lectures, conferences, demonstrations, assigned readings.—*One or two units.* Professor DAVIS, Associate Professor PETERSEN

103. INDIVIDUAL RESEARCH COURSE.—*One or two units.*
Professor DAVIS, Associate Professor PETERSEN

REGISTER OF STUDENTS

SUMMER QUARTER 1923

Bengtson, Bengt Norman—Bacteriology. B.S., 1923. Chicago.

Brough, Glen Amos—Pharmacology. B.S., 1921; M.S., 1922. Bushnell, Ill.

Cohen, Seymour Jerome—Pharmacology. B.S., 1917; M.S., 1917 (University of Chicago); M.D., 1919 (Rush Medical College). Chicago.

Groves, Robert Leroy—Pathology. A.B., 1917 (University of California); B.S., 1922. Chicago.

Heinekamp, Walter John Richard—Pharmacology. B.S., 1919; M.S., 1920; M.D., 1923. Chicago.

Hughes, Thomas Patrician—Physiological Chemistry. A.B., 1921; A.M., 1921 (Stanford University). Chicago.

Lloyd, Bess Lucile—Anatomy. B.S., 1921 (Northwestern University); M.S., 1923 (Washington University). Genoa, Ill.

Love, George Robert—Pharmacology. B.S., 1918; M.D., 1922 (Hahnemann Medical College). Chicago.

Marsh, Howard LaRue—Physiological Chemistry. B.S., 1909; M.S., 1912 (Pennsylvania State College). Oil City, Pa.

Mishkin, Herman Louis—Pathology. B.S., 1923. Chicago.

Moxon, George William—Pharmacology. B.S., 1923. Stevens Point, Wis.

Pawlisch, Otto Victor—Pharmacology. B.S., 1923. North Freedom, Wis.

Robertson, Robert Crawford—Pathology. A.B., 1921; B.S., 1922. Coulterville, Ill.

Schultz, Louis—Pharmacology. D.D.S., 1920; B.S., 1923. Chicago.

Saelhof, Clarence Charles—Pathology. B.S., 1919; M.S., 1921. Chicago.

Streicher, Michael Henry—Anatomy. B.S., 1922. Chicago.

Weatherford, Harold Lorraine—Anatomy. A.B., 1916. Chicago.

SESSION 1923-24

Banton, Huston—Anatomy. Mt. Zion, Ill.

Bengtson, Bengt Norman—Bacteriology. B.S., 1923. Chicago.

Bohner, Caryle Bernard—Anatomy. Chicago.

Bullock, Norman Charles—Bacteriology. Rockford, Ill.

Burns, Melton Burdett—Pathology. Salt Lake City, Utah.

Canan, Mack Clelland—Pharmacology. Batchtown, Ill.

Cassidy, Harold Bernard—Pharmacology. Chicago.

Cohen, Seymour Jerome—Pharmacology. B.S., 1917; M.S., 1917 (University of Chicago); M.D., 1919 (Rush Medical College). Chicago.

Cronwell, Bernhard Johannes, Jr.—Bacteriology. A.B., 1922. Hanover, Ill.

Davidson, Genevieve Alice—Physiological Chemistry. B.S., 1920. Chicago.

Ellowitz, Manning Hyman—Bacteriology. B.S., 1921 (University of California). Los Angeles, Cal.

Epstein, Casper Morey—Pathology. B.S., 1923. Chicago.

Esslinger, Paul Henry—Pharmacology. A.B., 1922. Rushville, Ill.

Ets, Harold Norris—Pharmacology. B.S., 1920 (University of Rochester); M.S., 1923. Rochester, N. Y.

Groves, Robert Leroy—Pathology. A.B., 1917 (University of California); B.S., 1922. Chicago.
Heinekamp, Walter John Richard—Pharmacology. B.S., 1919; M.S., 1920; M.D., 1923. Chicago.
Hubbard, Roger Wolcott—Pharmacology. Kankakee, Ill.
Hughes, Thomas Patrician—Physiological Chemistry. A.B., 1921; A.M., 1921 (Stanford University). Chicago.
Jackson, Thomas—Physiological Chemistry. B.S., 1920 (Alma College). Chicago.
Lloyd, Bess Lucile—Antomy. B.S., 1921 (Northwestern University); M.S., 1922 (Washington University). Genoa, Ill.
Love, George Robert—Pharmacology. B.S., 1918; M.D., 1922 (Hahnemann Medical College). Chicago.
Marsh, Howard LaRue—Physiological Chemistry. B.S., 1909; M.S., 1912 (Pennsylvania State College). Oil City, Pa.
Porter, Elza Carl—Pharmacology. Portsmouth, Ohio.
Robertson, Robert Crawford—Pathology. A.B., 1921; B.S., 1922. Coulterville, Ill.
Schultz, Louis—Pharmacology. D.D.S., 1920; B.S., 1923. Chicago.
Shurtz, Richard—Physiological Chemistry. Chicago.
Stephen, Harry Hart—Bacteriology. B.S., 1923. Chicago.
Stoll, Charles Gilbert—Pharmacology. Laurenceville, Ill.
Streicher, Michael Henry—Anatomy. B.S., 1922. Chicago.
Tenczar, John Francis—Pharmacology. Chicago.
Tracy, Grover—Physiological Chemistry. Chicago.
Weatherford, Harold Lorraine—Anatomy. A.B., 1916. Chicago.

DEGREES CONFERRED

DEGREE OF MASTER OF SCIENCE

Conferred February 14, 1924

ROBERT CRAWFORD ROBERTSON, A.B., B.S.

Conferred June 7, 1924

GEORGE ROBERT LOVE, B.S., M.D.

DEGREE OF MASTER OF ARTS

Conferred February 14, 1924

HAROLD LORRAINE WEATHERFORD, A.B.

LIBRARY

Adequate library facilities are essential to the prosecution of graduate work and research. In the library of the College of Medicine may be found files of journals, monographs, separates, and standard texts supplying nearly every need.

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UNIVERSITY OF ILLINOIS CIRCULAR
Published four times a year in the months of March, June, July and August, at Chicago, Illinois

Vol. XI AUGUST, 1925 No. 4

(Entered as second-class matter October 16, 1914, at the post office at Chicago, Illinois, under Act of Congress of August 24, 1912.)
Acceptance for mailing at special rate of postage provided for in Section 1103, Act of October 3, 1917, authorized July 27, 1918

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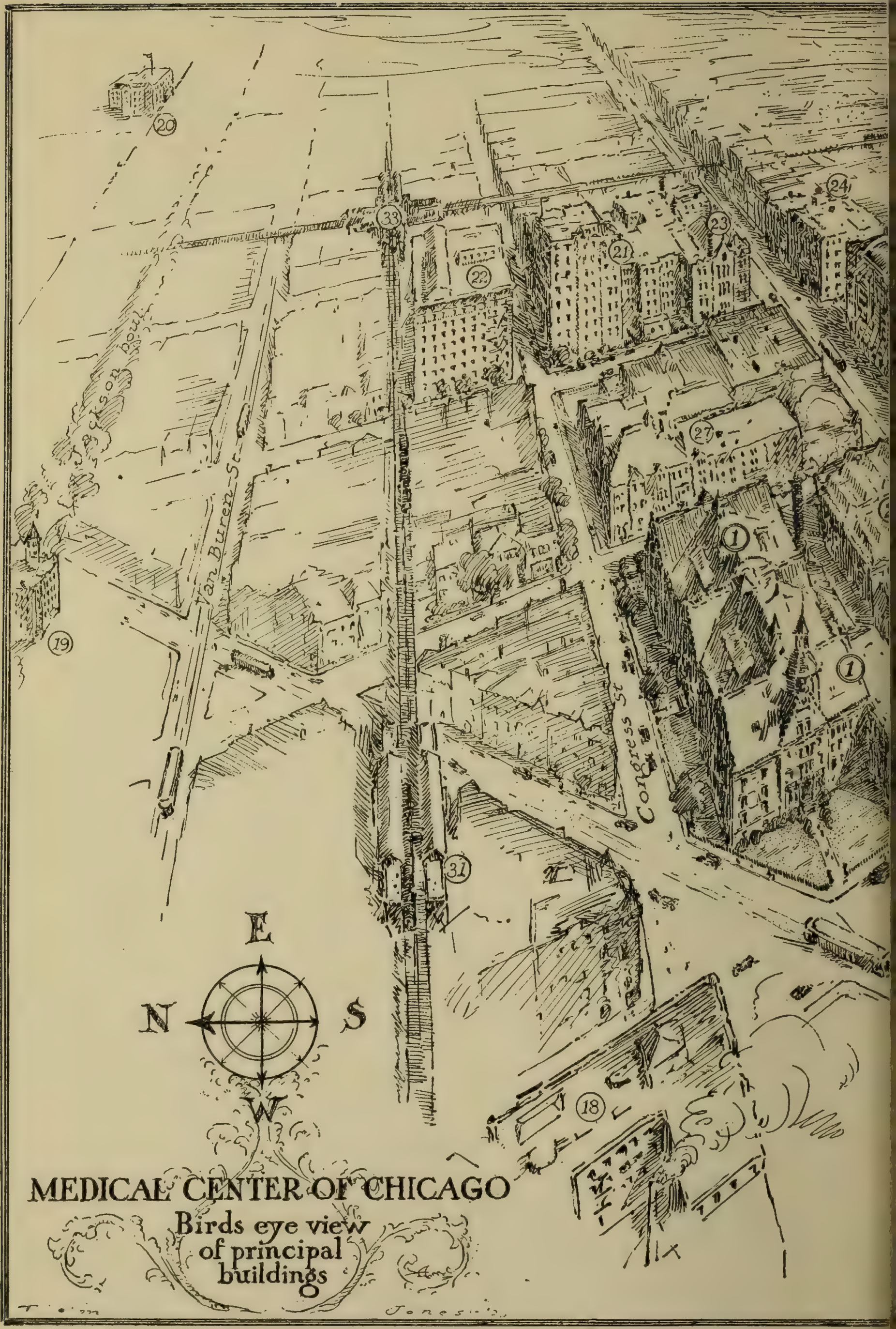

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33
24
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Jackson Boul.
Van Buren St
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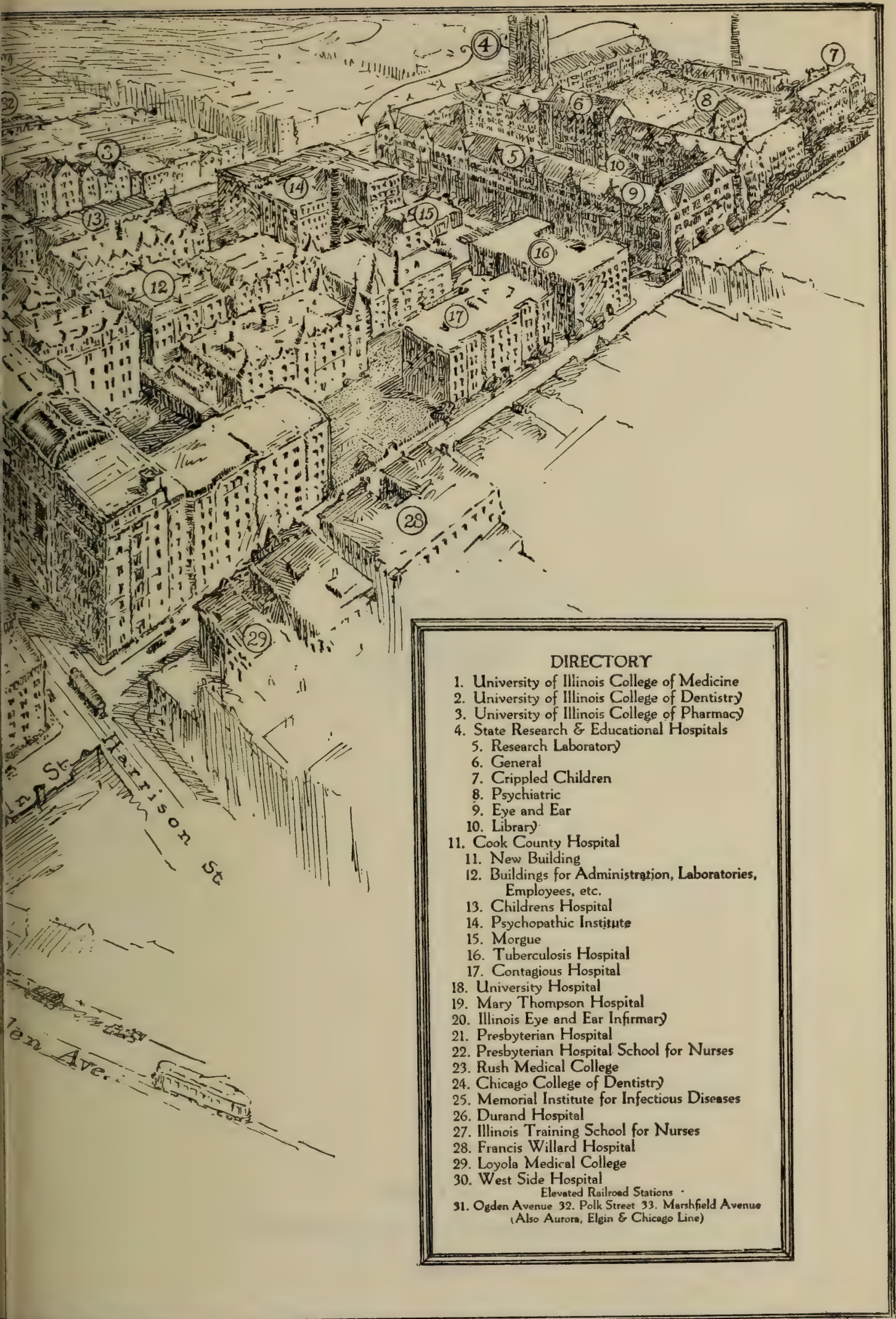

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CALENDAR

1925

JANUARY

S	M	T	W	T	F	S
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FEBRUARY

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1926

JANUARY

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AUGUST

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DECEMBER

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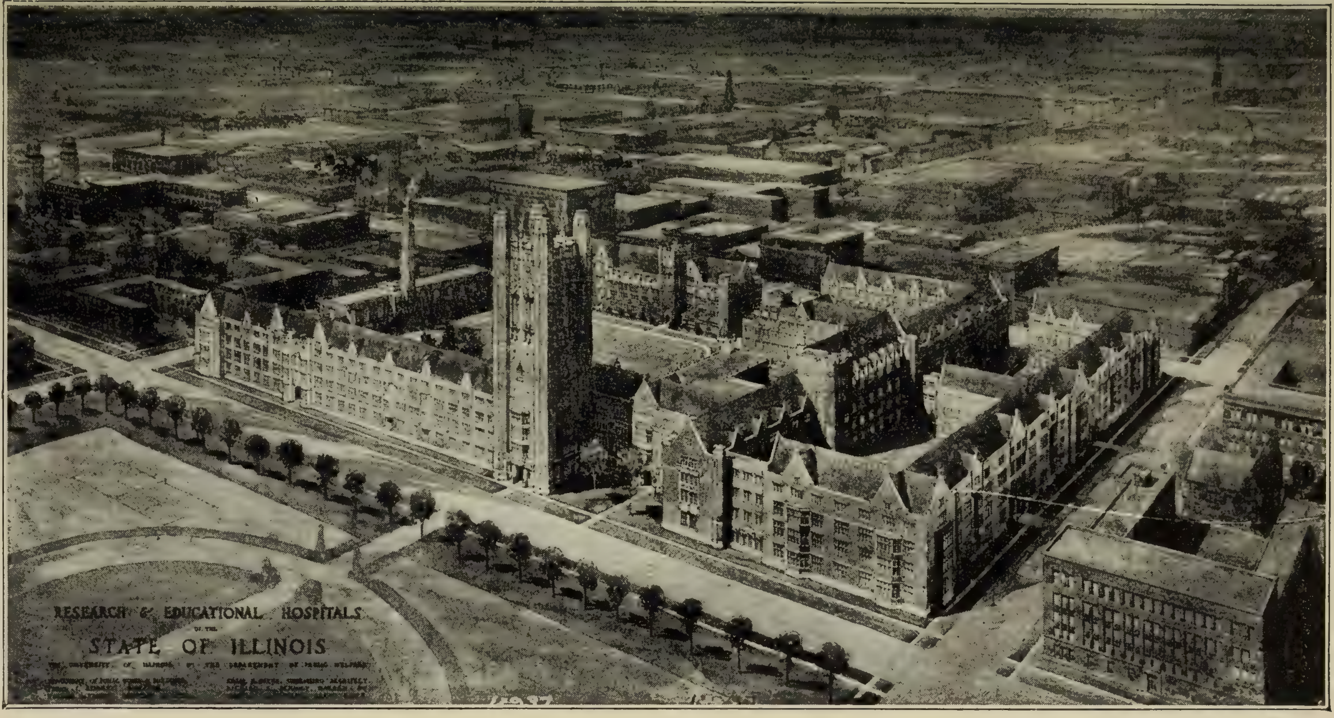

RESEARCH & EDUCATIONAL HOSPITALS
OF THE
STATE OF ILLINOIS

GROUP PLAN OF RESEARCH AND EDUCATIONAL HOSPITALS

COLLEGE CALENDAR

1925-26

FIRST SEMESTER

September 14-18—Monday-Friday
Entrance examinations. All departments of the University (High School Subjects)

September 28-October 2—Monday-Friday
Special examinations

October 5—Monday, 8 a. m.-5 p. m.
Registration and payment of fees

October 6—Tuesday, 8 a. m.
Instruction begun

November 25—Wednesday, 12 m.
Thanksgiving recess

November 30—Monday, 8 a. m.
Instruction resumed

December 23—Wednesday, 6 p. m.
Holiday recess begun

January 4, 1926—Monday, 8 a. m.
Instruction resumed

February 1-5—Monday-Friday
Semester examinations

SECOND SEMESTER

February 10—Wednesday, 8 a. m.-5 p. m.
Registration and payment of fees

February 11—Thursday 8 a. m.
Instruction begun

February 22—Monday
Washington's Birthday

April 1—Thursday 6 p. m.
Easter recess begun

April 5—Monday, 8 a. m.
Instruction resumed

May 30—Sunday
Memorial Day

May 24-June 4—Monday-Friday
Final Examniations

June 11—Friday
Commencement exercises, Chicago Professional Schools

June 11—Friday
Alumni Meeting

ADMINISTRATIVE OFFICERS

1925-1926

David Kinley, Ph.D., LL.D., President

Albert Chauncey Eycleshymer, Ph.D., M.D., *Dean* (On leave)

David John Davis, M.D., Ph.D., *Acting Dean*

George Philip Tuttle, B.S., *Registrar*

William Henry Browne, *Secretary, College of Medicine, and Business Manager of the Chicago Departments*

University Committees

Committee on Medical Education

Eycleshymer (Chairman), Ward

Discipline Committee of the Chicago Professional Schools

Welker (Chairman), Browne, Thomas, Day

Standing Committees

Committee on Catalog

Welker (Chairman), Browne, Heintz

Committee on Curriculum

Williamson (Chairman), Bacon, Barrett, Davis, Davison, Dreyer, Eycleshymer, McGuigan, Welker

Committee on Dispensary

Brown (Chairman), Browne, Harger, Lang, Hess, Davis

Committee on Hospital Affiliation

Bacon (Chairman), Singer, Brown, Davis, Davison, McGuigan

Committee on Library

Davis (Chairman), Loomis, Moodie, Sippy, Tice

Committee on Optional Courses

Dreyer, (Chairman), Bacon, Davison, Davis, McGuigan

Committee on Physicians' Courses

Pierce (Chairman), Barrett, Brown, Davis, Goodkind, Hess

Commmittee on Fifth Year

Brown (Chairman), Tice, Davis

THE COLLEGE OF MEDICINE

(Congress and Honore Streets, Chicago)

Faculty

1924-25

David Kinley, Ph.D., LL.D. .... *President*

Henry Parker Newman, A.M., M.D. .... *Professor of Gynecology,* Emeritus
Henry Turman Byford, A.M., M.D. .... *Professor of Gynecology,* Emeritus
William Allen Pusey, A.M., M.D. .... *Professor of Dermatology,* Emeritus
Daniel Atkinson King Steele, M.D., LL.D. .... *Professor of Surgery,* Emeritus
Casey A. Wood, A.M., M.D. .... *Professor of Ophthalmology,* Emeritus
Frank Breckenridge Earle, M.D. .... *Professor of Pediatrics,* Emeritus

Maurice Louis Goodkind .... *Professor of Medicine*

A.B., Williams, 1886; M.D., Columbia, 1889.
Instructor in Neurology, Columbia, 1888-89; Instructor in Neurology, Northwestern, 1893-96; Attending Physician, County Hospital, 1904—; Michael Reese Hospital, 1893—.

George Peter Dreyer..... *Professor of Physiology and Physiological Chemistry and Head of Department*

A.B., Johns Hopkins, 1887, Ph.D., 1890.
Fellowship in Physiology, Johns Hopkins, 1889-90; Demonstrator, Associate, Associate Professor of Physiology, 1890-1900; Professor of Physiology, Illinois, 1900—; Junior Dean, 1913-15.

Albert John Ochsner .... *Professor of Surgery*

B.S., Wisconsin, 1884; M.D., Rush, 1886; LL.D., Wisconsin, 1909.
Surgeon-in-Chief, Augustana Hospital, 1891—, St. Mary's Hospital, 1898—; President American College of Surgeons, 1922-24; President, American Surgical Association, 1924—.

Charles Spencer Williamson......... *Professor of Medicine and Head of Department*

B.S.,Cincinnati, 1893, M.D., 1896, M.S., 1901.
Associate Attending Physician, Cook County Hospital, 1902-03; Member of Cook County Consulting staff, 1904-13; Cook County Hospital Attending Staff, 1913—; Adjunct Professor of Medicine, Illinois, 1901; Associate Professor of Medicine, Illinois, 1902; Professor of Clinical Medicine, Illinois, 1903-04; Professor of Clinical Medicine and Associate Professor of Medicine, Illinois, 1905-11; Professor of Medicine and Clinical Medicine, Illinois, 1912-13.

Charles Sumner Bacon.......... *Professor of Obstetrics and Head of Department of Obstetrics and Gynecology*

Ph.B., Beloit, 1878; M.D., Northwestern, 1884; D.Sc., (Honorary,) Beloit, 1925.
Attending Obstetrician, Chicago Policlinic, 1895—, Deaconess Hospital, 1900—, Henrotin Hospital, 1905—, Grant Hospital, 1906—, University Hospital, 1907—; Director, Chicago Lying-in Hospital, 1908—; Chief of Staff, Salvation Army Hospital, 1924—.

Charles Davison..................... *Professor of Surgery and Head of Department*

M.D., Northwestern, 1883, A.M., 1917.
Professor of Surgical Anatomy, Illinois, 1899-1900; Adjunct Professor of Clinical Surgery, 1900-1903; Adjunct Professor of Surgery and Clinical Surgery, 1903-04; Professor of Surgery and Clinical Surgery, 1904-17; Assistant Surgeon, Illinois Charitable Eye and Ear Infirmary, 1887-92; Attending Surgeon, Cook County Hospital, 1894—, President of Attending Staff, 1917-19; Attending Surgeon, West Side Hospital, 1896-1907, University Hospital, 1908—.

Frederick Tice .... *Professor of Medicine*

M.D., Rush, 1894.
Assistant Professor of Diseases of the Chest, Illinois, 1903; Professor of Diseases of the Chest, 1905-17; Head of Department of Medicine, Illinois, 1917-19; Chief Physician, County Institutions, 1897-99; Member of Attending and Consulting Staff, Cook County Hospital, 1903—.

Joseph McIntyre Patton.................................*Professor of Medicine*

M.D., New York, 1882.

Chief Assistant in Medicine, College of Physicians and Surgeons, 1883-90; Professor of Physical Diagnosis, Illinois, 1899-1901; Associate Professor of Medicine, 1901-07; Professor of Clinical Medicine, 1907-19; Professor of Anesthesia and Anesthetics, Illinois (Dental), 1902-07; Attending Physician, Henrotin and Policlinic Hospitals, 1890—, Cook County Hospital, 1907-20; Consulting Physician, Chicago General Hospital, 1922—; Consulting Physician, St. Elizabeth Hospital, 1923—.

Channing Whitney Barrett..........*Professor of Gynecology and Head of Division*

M.D., Detroit, 1895.

Instructor in Medicine, Illinois, 1897-98; Instructor in Gynecology, Illinois, 1898-1900; Assistant Professor of Clinical Gynecology, Illinois, 1900-1901; Attending Surgeon and Gynecologist, Marion Sims Hospital, 1900-1908; Attending Gynecologist, Henrotin Memorial and Policlinic Hospital, 1908—; Adjunct Professor of Clinical Gynecology, Illinois, 1901-09; Associate Professor of Gynecology and Clinical Gynecology, Illinois, 1909-10; Professor of Gynecology and Clinical Gynecology, Illinois, 1910-15; Attending Surgeon (Obstetrics), Cook County Hospital, 1906-12; Attending Surgeon (Gynecologist), Cook County Hospital, 1912—, West Side Hospital, 1914—, Columbus Hospital, 1920—.

Norval Pierce........*Professor of Laryngology, Rhinology, and Otology, and Head of Department*

M.D., College of Physicians and Surgeons, Chicago, 1885.

Surgeon, Illinois Charitable Eye and Ear Infirmary, Department of Ear, Nose, and Throat; Consultant in Oto-Laryngology, Passavant Memorial Hospital; Senior Attending Otologist, Rhinologist, and Laryngologist, St. Luke's Hospital; President, Medical Board, St. Luke's Hospital, Chicago, 1922-23.

Albert Edward Halstead.....................................*Professor of Surgery*

M.D., Northwestern, 1890.

Professor of Principles and Practice of Surgery, Illinois; Consulting Surgeon, Illinois Charitable Eye and Ear Infirmary; Senior Surgeon, St. Luke's Hospital; Associate Professor of Surgery, Northwestern University, 1897-1900; Professor and Head of Department of Anatomy, Northwestern University, 1897-1900; Professor of Clinical Surgery, Northwestern University, 1900-1906.

Albert Chauncey Eycleshymer......*Dean of the College (On leave); Professor and Head of Department of Anatomy, Histology, and Embryology*

B.S., Michigan, 1891; Ph.D., Chicago, 1895; M.D., St. Louis, 1910.

Assistant in Animal Morphology and Botany, Michigan, 1889; Assistant in Botany, 1890; Chief Assistant to the Director of the Allis Lake Laboratory, 1890-91; University Fellow in Biology, Princeton, 1891; Fellow in Animal Morphology, Clark University, 1891-92; Fellow in Biology, Chicago, 1892-93, Assistant, 1893-95, Associate in Anatomy, 1895-97, Instructor, 1897-1902; Graduate student in University of Cambridge (England), 1895-96; studying Anatomy and Histology in Germany and France, 1896-97; Lecturer on Human Embryology, Rush, 1897-98, Assistant Professor, 1898-99; Austin Fellow in Histology and Embryology, Harvard, 1900-1901; Assistant Professor of Anatomy, Chicago, 1899-1903; Director of Department of Anatomy, St. Louis, 1903-13; Acting Dean, St. Louis (Medical School), 1913; Junior Dean, Illinois, 1915-16; Member of National Board of Medical Examiners.

William McIntire Harsha.................................*Professor of Surgery*

B.S.,National Normal University, Lebanon, O., 1876, A.B., 1877; M.D., Northwestern, 1883. Lecture in Medicine, Illinois, 1893; Attending Surgeon, St. Luke's Hospital, 1908—.

David John Davis..........*Acting Dean; Professor and Director of Research in the Division of Preventive Medicine*

B.S., Wisconsin, 1898; M. D., Rush, 1903; Ph.D., Chicago, 1905.

Pathologist, Presbyterian Hospital, 1906-10, St. Joseph's Hospital, 1907-11; Special Student, University of Freiburg, 1910; Assistant Professor in Pathology, Rush, 1907-12; Pathologist, St. Luke's Hospital, 1911-13; Professor of Pathology and Bacteriology and Head of Department, 1913-24.

Julius Hayes Hess.....................*Professor of Pediatrics and Head of Division*

M.D., Northwestern, 1899.

Instructor in Pediatrics, Northwestern, 1908-13; Associate Professor of Clinical Pediatrics, Illinois, 1914-16; Attending Pediatrician, Michael Reese Hospital, 1906—, Cook County Hospital, 1913—, Englewood Hospital, 1902—; Consulting Pediatrician, Municipal Contagious Disease Hospital, 1917—, Winfield Tuberculosis Sanitarium, 1914—; Member of Advisory Board Children's Bureau, Department of Labor, Washington; St. Elizabeth Hospital, 1922—.

Hugh Alister McGuigan..........*Professor of Pharmacology, Materia Medica, and Therapeutics, and Head of Department*

B.S., North Dakota Agricultural College, 1898; Ph.D., Chicago, 1906; M.D., Rush, 1908.

Assistant Professor of Chemistry, North Dakota Agricultural College and Experiment Station, 1901-03; Fellow and Assistant in Physiological Chemistry, Chicago, 1903-06; Assistant Professor of Pharmacology, Washington University, 1906-10; Professor of Pharmacology, Northwestern, 1910-17.

Edward Vail Lapham Brown...*Professor of Ophthalmology and Head of Department*

M.D., Rush, 1898; B.S., Chicago, 1902.

Assistant Pathologist and Pathologist, Illinois Charitable Eye and Ear Infirmary, 1899-1907; Eye Surgeon, Illinois Charitable Eye and Ear Infirmary, 1907-14, Cook County Hospital, 1914-18: Attending Ophthalmologist, Presbyterian Hospital, 1899-1917, University Hospital, 1917—; Instructor and Assistant Professor of Ophthalmology, Rush, 1898-1917; Instructor and Assistant Professor of Pathology of the Eye, Chicago, 1907-17; Attending Ophthalmologist, Evanston Hospital, 1923—.

Harold Douglas Singer..............*Professor of Psychiatry and Head of Division*

M.B., London, 1898, M.D., 1900.

Associate Professor of Neurology, John A. Creighton University, 1904-06; Associate Professor of Psychiatry, Nebraska, 1907; Associate Professor of Psychiatry, Illinois, 1916-18; House Physician, St. Thomas' Hospital, London, 1898-99; Assistant Superintendent, Clinical Laboratory, St. Thomas' Hospital, 1899-1900; House Physician, National Hospital for the Paralyzed and Epileptic, London, 1900-1902; Resident Assistant Physician, St. Thomas' Hospital, 1902-04; Neurologist, St. Joseph's Hospital, Omaha, 1904-06; Assistant Superintendent, Norfolk State Hospital, Nebraska, 1906-07; Director, Illinois State Psychopathic Institute, 1907—; State Alienist, Department of Public Welfare, State of Illinois, 1917-21.

Charles Edward Humiston..................................*Professor of Surgery*

M.D., College of Physicians and Surgeons, Chicago, 1896; Sc.D., Marietta College, 1922.

Surgeon, Cook County Hospital, 1902-20, West Suburban Hospital, 1914; Instructor in Surgery, Illinois, 1905-06, Assistant Professor of Surgery, 1906, Adjunct Professor of Surgery, 1907-12, Professor of Clinical Surgery and Associate Professor of Surgery, 1912-13, Associate Professor of Surgery and Clinical Surgery, 1913-14, Associate Professor of Clinical Surgery, 1914-18.

Henry Foster Lewis..................................*Professor of Obstetrics*

A.B., Harvard, 1885, M.D., 1888.

Professor of Physical Diagnosis, College of Physicians and Surgeons, Chicago, 1891-93; Assistant Professor of Obstetrics and Gynecology, Rush, 1899-1907; Professor and Head of the Department of Obstetrics and Gynecology, Loyola, 1910-18; Attending Obstetrician, Cook County Hospital, 1906-08, Attending Surgeon, 1908-13, Attending Obstetrician, 1913—.

Herman Morris Adler...*Professor of Criminology and Head of Department of Social Hygiene, Criminology, and Medical Jurisprudence*

A.B., Harvard, 1897; A.M., Columbia, 1901, M.D., 1901.

Assistant Children's Clinic, Charite, Berlin, 1904-05; Assistant in Clinical Pathology, Harvard, 1906-09, Instructor in Neuropathology and Psychiatry, 1909-12; Pathologist and Assistant Physician, Danvers State Hospital, Massachussetts, 1909-12; Chief of Staff, Psychopathic Hospital, Boston, 1912-16; Assistant Professor of Psychiatry, Harvard, 1912-16; Criminologist, State of Illinois, and Director of Institute for Juvenile Research, 1917—.

Francis Lane.......................................*Professor of Ophthalmology*

A.B., Princeton, 1897; M.D., Washington, 1899.

Pathologist, Illinois Eye and Ear Infirmary, 1907; Attending Ophthalmologist, Illinois Central Hospital, 1918—, Cook County Hospital, 1924—; Eye Surgeon, Illinois Eye and Ear Infirmary 1914-1919; Assistant Professor, Rush, 1917-22.

Nelson Mortimer Percy....................................*Professor of Surgery*

M.D., Rush, 1899.

Attending Surgeon, St. Mary's Hospital, 1905—, Augustana Hospital, 1908—; Instructor in Surgery, Illinois, 1909-12; Associate Professor of Surgery, Illinois, 1912-21.

Arthur Richard Elliott..................................*Professor of Medicine*

M.D., Queen's University, Canada, 1889, C.M., 1889.

Assistant Professor of Medicine, Illinois, 1917-18; Attending Physician, St. Luke's Hospital, 1910—; Associate Professor of Medicine, Illinois, 1918-21.

William Henry Welker......................*Professor of Physiological Chemistry*

A.C., Lehigh, 1904; Ph.D., Columbia, 1908.

Assistant in Biological Chemistry, Columbia, 1904-07; Pathological Assistant in Obstetrics (Research Chemist), Sloane Maternity Hospital, N. Y., 1906-07; Demonstrator of Physiological Chemistry, Pennsylvania, 1907-10; Chemist to the German Hospital, New York, 1910; Associate in Biological Chemistry, Columbia (Crocker Cancer Fund), 1910-11, Assistant Professor of Biological Chemistry, 1911-12; Assistant Professor of Physiological Chemistry, Illinois, 1913-19, Associate Professor of Physiological Chemistry, 1919-21.

Victor Emanuel Emmel................................*Professor of Anatomy*

B.S., Pacific University, 1903, M.S., 1904; Ph.D., Brown University, 1907.

Instructor in Biology, Pacific University, 1903-04; Assistant in Embryology and Neurology, Brown, 1904-07; Biologist, Experimental Station, Rhode Island Commission of Inland Fisheries, 1904-07; Austin Teaching Fellow in Anatomy (Histology and Embryology), Harvard, 1907-08, Instructor and Associate in Anatomy (Miscroscopic and Gross), 1908-14, Assistant Professor (Gross and Topographical), Washington, 1914-16; Anatomical study and research, Germany, 1912; Assistant and Associate Professor of Anatomy (Gross), Illinois, 1916-19; Associate Professor of Anatomy, California, 1919-22.

Frank Smithies..*Professor of Medicine*

M.D., Michigan, 1904.

Assistant in Medicine, Rush, 1904-06; Instructor in Internal Medicine and Demonstrator of Clinical Medicine, Michigan, 1906-09; Attending Physician, University of Michigan Hospital, 1906-09; Gastro-enterologist and Clinical Laboratory Chief in Diseases of the Alimentary Tract, Mayo Clinic, Rochester, Minn., 1910-13; Assistant Pathologist, Stadt Krankenhaus Alt, Moabit, Berlin, 1906; Gastro-enterologist, Augustana Hospital, 1913-22; Medical Consultant, U. S. Marine Hospital, Chicago, 1918-20; Visiting Physician, Henrotin Memorial Hospital, 1921—; Physician-in-Chief and Head of Department of Medicine, St. Elizabeth's Hospital, Chicago, 1923—.

Frances Eugene Senear.........*Professor of Dermatology and Head of Department*

B.S., Michigan, 1912, M.D., 1914.

Instructor in Dermatology and Syphilology, Michigan, 1915-16; Attending Dermatologist, St. Joseph Hospital Dispensary; Consulting Dermatologist, Illinois Central Railroad; Attending Dermatologist, Ravenswood Hospital; Instructor in Dermatology, Illinois, 1918-19, Associate in Dermatology, 1919-20; Assistant Professor of Dermatology, 1920-21, Associate Professor of Dermatology, 1921-22; Attending Dermatologist, St. Bernard's Hospital, 1921—; Attending Dermatologist, St. Elizabeth Hospital 1923—; Attending Dermatologist, North Chicago Hospital, 1923—.

Adolph Hartung..................................*Professor of Roentgenology*

M.D., Illinois, 1908.

Instructor in Radiology, Illinois, 1912-14, Instructor in Roentgenology, 1914-18, Roentgenologist, Cook County Hospital, 1909-13, Alexian Brothers Hospital, 1910—, Henrotin Hospital, 1910-16, German Hospital, 1910-16, Policlinic Hospital, 1910-16, Associate in Roentgenology, Illinois, 1918-19, Assistant Professor 1919-24.

Dean D. Lewis...............*Professor of Surgery and Director of Research Surgery*

A.B., Lake Forest College, 1895; M.D., Rush, 1899; Sc.D., Cincinnati, 1921; LL.D. Lake Forest, 1922.

Instructor in Anatomy, University of Chicago, 1900-1901, Instructor in Surgery, Rush, 1904-08, Assistant Professor of Surgery, 1908-12, Associate Professor of Surgery, 1912-20.

Albert Bachem.................*Professor of Bio-Physics and Director of Laboratory*

Ph.D., University of Bonn (Prussia) 1910.

Assistant Professor of Physics, Bonn, 1919-20; Assistant Professor of Bio-Physics, Frankfurt, 1920-24; (On leave of absence 1922-24) Instructor in X-Ray and Radium, Mercy Hospital, Chicago, 1922-24.

William F. Petersen...*Professor of General Medicine in Division of General Medicine*

B.S., Chicago, 1909; M.D., Rush, 1912.

Assistant in Pathology, Columbia, 1913-14; Assistant Professor of Experimental Medicine and Pathology, Vanderbilt, 1914-17; Associate in Pathology, Illinois, 1920-21; Associate Professor of Pathology and Bacteriology, Illinois, 1921-24.

ASSOCIATE PROFESSORS

Rachelle S. Yarros.............................*Associate Professor of Obstetrics*

M.D., Pennsylvania Women's Medical College, 1893.

Assistant in Obstetrics, Illinois, 1898-99; Physician, Chicago Lying-in Hospital, 1911—; Supervisor of Education for Women, Division of Social Hygiene, State Department of Public Health, 1919-21; Special Consultant, U. S. Public Health Service, 1921—; Director of Social Hygiene Council of Chicago, 1923—.

Joseph Clar Beck........*Associate Professor of Laryngology, Rhinology, and Otology*

M.D., College of Physicians and Surgeons, Chicago, 1895.

Oto-Laryngologist, Chief of Staff of North Chicago Hospital; Laryngologist, Rhinologist, and Otologist, Cook County Hospital, 1909-18.

Edward Louis Heintz............................*Associate Professor of Medicine*

Ph.G., St. Louis College of Pharmacy, 1898; M.D., Illinois, 1901; LL.D., South Dakota, 1922.

Assistant Professor of Materia Medica, Illinois, 1901-03, Adjunct Professor of Materia Medica, 1903-12, Assistant Professor of Medicine and Clinical Medicine, 1913-18; Attending Physician, University Hospital, 1908—, Policlinic Hospital of Chicago, 1912-15, 1918-19, Cook County Hospital, 1918-20.

Maurice Lewison..............................*Associate Professor of Medicine*

M.D., Northwestern, 1906.

Instructor in Neurology and Diseases of the Chest, Illinois, 1906-09, Instructor in Diseases of the Chest, 1909-12, Professor of Physical Diagnosis, 1912-13, Assistant Professor of Physical Diagnosis. 1913-18; Attending Physician, Cook County Hospital, Municipal Tuberculosis Sanitarium, Mt. Sinai Hospital.

George Farnsworth Thompson........................*Associate Professor Surgery*

B.S., Wisconsin, 1896; M.D., Rush, 1899.

Instructor in Surgery, Rush, 1902-12; Assistant Professor of Junior Surgery and Clinical Surgery, Illinois, 1912-13; Assistant Professor of Surgery and Clinical Surgery, 1913-18; Attending Surgeon, Cook County Hospital, 1906—, West Side Hospital, 1910—.

John Weatherson..............................*Associate Professor of Medicine*

C.E. Cornell, 1895; M.D., Illinois, 1900.

Instructor in Medicine, Illinois, 1901-10; Assistant Professor of Physical Diagnosis, 1910-12; Assistant Professor of Medicine, 1912-17; Special Work, Harvard Graduate Medical School, 1919; Member of Attending Staff, Chicago Hospital, 1901-08, Lakeside Hospital, 1908-14, South Shore Hospital, 1919—; Chief of Medical Department, Illinois Masonic Hospital, 1921—; Attending Staff, Cook County Hospital, 1922—; President of Staff, Illinois Masonic Hospital, 1923—.

Otto Herman Rohrlack........................*Associate Professor of Obstetrics*

Ph.G., Northwestern, 1892, M.D., 1902.

Assistant Obstetrician, University Hospital, 1910—, Chicago Lying-in Hospital, 1910—, Cook County Hospital, 1917-20, Norwegian American Hospital, 1917—; Assistant Professor of Obstetrics and Clinical Obstetrics, Illinois, 1913-19; Head of Department of Obstetrics, St. Elizabeth Hospital, 1923—; Member of Staff, Lutheran Memorial Hospital, 1923—; Obstetrician, University Hospital, 1924—; Member Staff, Lutheran Deaconess Hospital, 1925—.

Sidney Strauss..................................*Associate Professor of Medicine*

A.B., Harvard, 1901, M.D., 1904.

Assistant in Medicine, Rush, 1906-09, Associate in Medicine, 1909-10, Instructor in Medicine, 1910-11, Assistant Professor of Medicine, 1911-20; Associate Attending Physician Michael Reese Hospital, 1912—; Assistant Attending Physician, Presbyterian Hospital (Chicago), 1913-19; Attending Physician, Cook County Hospital, 1920—.

George Boris Hassin..........................*Associate Professor of Neurology*

M.D., Imperial University of Kazan, Russia, 1897.

Instructor in Nervous and Mental Diseases, 1909-13; Attending Neurologist, Cook County Hospital, 1913—; Histologist to Illinois State Psychopathic Institute, 1920—.

Roy Lee Moodie.............*Associate Professor of Anatomy and Research Librarian*

A.B., Kansas, 1905; Ph.D., Chicago, 1908.

Assistant Professor of Zoology, Kansas, 1908-13; Instructor in Anatomy, Illinois, 1914-16, Associate, 1916-17, Assistant Professor, 1917-21.

Karl Albert Meyer..............................*Associate Professor of Surgery*

M.D., Illinois, 1908.

Assistant in Clinical Surgery, Illinois, 1916-17; Instructor in Clinical Surgery, 1917-18, Assistant Professor of Surgery, 1918-20; Medical Warden, Cook County Hospital, 1914—; Attending Surgeon, Cook County Hospital, 1920—.

Charles Morgan McKenna...........*Associate Professor of Genito-Urinary Surgery*

B.S., Chicago, 1903; M.D., Rush, 1905.

Genito-Urinary Surgeon to Chicago Municipal Tuberculosis Sanitarium. Head of the department of G. U. surgery at St. Joseph's Hospital. Cystoscopist at North Chicago Hospital.

Henry Bascom Thomas.................. *Associate Professor of Orthopedic Surgery*

B.S., Chicago, 1899; M.D., Northwestern, 1903.

Instructor in Materia Medica, Northwestern, 1905-06, Instructor in Orthopedic Surgery, 1905-09; Senior Attending Orthopedic Surgeon, St. Luke's Hospital, 1904—; Attending Orthopedic Surgeon, Home for Destitute Crippled Children, 1906-10; Provident Hospital, 1906-11; Convalescent Home for Crippled Children, 1909-20; Cook County Hospital, 1908-13; Policlinic Hospital, 1913-14; Chief Orthopedic Surgeon, Cook County Hospital, 1913-20; Assistant Professor of Surgery (Orthopedic), Illinois, 1913-21; Consulting Orthopedic Surgeon, German Deaconess Hospital, 1923—; Consulting Orthopedic Surgeon, Municipal Tuberculosis Sanitarium, 1923—.

Frank Chauvet................................ *Associate Professor of Medicine*

M.D., Illinois, 1907.

Instructor in Junior Medicine, Histology, and Embryology, Illinois, 1910-13, Instructor in Physical Diagnosis, 1913-17, Associate in Physical Diagnosis, 1917-18; Member of Consulting Staff, Cook County Hospital, Tuberculosis Department, 1912—; Member of Medical Staff, University Hospital, 1914—; Norwegian American Hospital, 1918; Assistant Professor of Clinical Diagnosis, Illinois, 1919-21.

Henry Eugene Irish............................ *Associate Professor of Pediatrics*

M.D., Illinois, 1901.

Instructor in Pharmacology and Therapeutics, Illinois, 1904-11, Instructor in Junior Medicine, 1911-14, Instructor in Pediatrics, 1914-17, Associate in Pediatrics, 1918-19, Assistant Professor of Pediatrics, 1919-21; Attending Pediatrician, University Hospital, 1914—; Consulting Physician, Municipal Contagious Hospital, 1916-22; Attending Physician, Cook County Hospital (Contagious), 1917-21; Children's, 1921—.

Maurice Lamm Blatt........................... *Associate Professor of Pediatrics*

M.D., Rush, 1903.

Instructor in Pediatrics, Illinois, 1914-16, Associate in Pediatrics, 1917-19; Attending and Directing Physician, Pediatric Department, West Side Jewish Aid Dispensary, 1906-15; Attending Dispensary Physician, Municipal Tuberculosis Sanatorium, 1912-16; Attending Physician, Chicago Winfield Sanatorium, Tuberculosis, 1910-15; Directing Physician, Bethlehem Day Nursery, 1912-15; Attending Physician, Maimonidies Hospital, Pediatric Department, 1912-14; Attending Staff, Michael Reese Hospital, 1911-16; Attending Physician, Cook County Hospital, Contagious Department, 1916-20, Pediatric Department, 1920; Consulting Pediatrician, Illinois Eye and Ear Infirmary, 1921; Assistant Professor of Pediatrics, Illinois, 1920-21.

Cassius Clay Rogers.............................. *Associate Professor of Surgery*

A.B., Valparaiso, 1891; M.D., Rush, 1896; A.M., Valparaiso, 1908.

Instructor in Physiology, Chicago College of Dental Surgery, 1896-1905; Instructor, Laryngology, Rush, 1898-1902; Professor and Head of Department of Physical Diagnosis, Chicago College of Dental Surgery, 1901-08; Professor and Head of Department of Surgery, Chicago College of Medicine and Surgery, 1905-15; Attending Surgeon, Frances Willard Hospital, 1907-17; Evangelican Deaconness Hospital; Assistant Professor of Surgery, Illinois, 1919-21.

Ernest Sisson Moore........................... *Associate Professor of Medicine*

Ph.B., DePauw, 1892; M.D., Illinois, 1903.

Demonstrator of Pathology, Illinois, 1903-09, Instructor in Clinical Medicine, 1909-10; Physician in charge of Cook County Consumption Hospital, 1905-12; Associate in Clinical Medicine, Illinois, 1915-18, Assistant Professor of Medicine, 1919-20.

Frederick G. Dyas................................ *Associate Professor of Surgery*

M.D., Northwestern, 1904.

Instructor in Surgery, Illinois, 1908-11, Assistant Professor of Surgery, 1911-19; Associate Professor of Surgery, Northwestern, 1920-21.

Haim I. Davis.................................. *Associate Professor of Psychiatry*

M.D., University of Charkow, Kharkoff, Russia, 1891.

Assistant Professor of Neurology, Illinois, 1906-18; Attending Neurologist, Michael Reese Hospital, 1908; Superintendent Cook County Psychopathic Hospital, 1904-08, 1910-14; Attending Psychiatrist, Cook County Psychopathic Hospital, 1917—.

Benjamin Franklin Lounsbury.................... *Associate Professor of Surgery*

B.L., Wisconsin, 1902; M.D., Northwestern, 1907.

Surgeon in Charge, Washington Blvd. Hospital, 1913—.

William Clark Sanford........................... *Associate Professor of Surgery*

M.D., etc.,

Otto Frederick Kampmeier........................*Associate Professor of Anatomy*

B.A., Iowa, 1909; Ph.D., Princeton, 1912; M.D., Munich, Germany, 1924.

Student Assistant in Biology, Iowa, 1906-08; Assistant, U. S. Bureau of Fisheries, 1908; Fellow in Biology, Princeton, 1909-12; Student, Munich, Spring 1913; Instructor in Anatomy, Pittsburgh, 1912-15; Assistant Professor of Histology and Embryology, Pittsburgh, 1915-18; Instructor in Anatomy, Illinois, 1918-19; Associate Professor of Anatomy, Marquette, Autumn 1919, Head of Department, Spring, 1920; Associate Professor of Anatomy, Illinois, 1920-22; Voluntary Assistant, Clinic of Internal Medicine, Freiburg, Germany, Summer 1922; Clinical study, four semesters at Freiburg and Munich, 1922-24.

ASSISTANT PROFESSORS

John Michael Lang.............................*Assistant Professor of Gynecology*

M.D., Illinois, 1900.

Member of Staff, West Side Hospital (Gynecology and Obstetrics), 1912—.

Charles Francis Read..........................*Assistant Professor of Psychiatry*

B.S., Beloit, 1898; M.D., Rush, 1901.

Managing Officer, Chicago State Hospital, Dunning, Ill., 1917-21; State Alienist, Department of Public Welfare, 1921—.

John Ross Harger................................*Assistant Professor of Surgery*

B.S., Chicago, 1904; M.D., Rush, 1906.

Assistant in Clinical Surgery, Illinois, 1908-10, Instructor in Clinical Surgery, 1910-12, Assistant Professor of Junior Surgery and Minor Surgery, 1912-13, Instructor in Junior and Minor Surgery, 1913-16, Associate in Surgery and Minor Surgery, 1916-18.

Charles Herbert Phifer..........................*Assistant Professor of Surgery*

M.D., Illinois, 1902.

Instructor in Junior Medicine, Illinois, 1902-07, Instructor in Senior Surgery, 1907-16, Instructor in Surgery, 1916-18; Attending Surgeon, Lakeside Hospital, 1903-14; Attending Surgeon, Washington Park Hospital, 1914—; Associate in Surgery, Illinois, 1918-19; Attending Surgeon, Illinois Central R. R. Hospital, 1922; Consulting Surgeon, Illinois Masonic Hospital, 1922—.

Egan Walter Fischmann.........................*Assistant Professor of Gynecology*

M.D., Rush, 1906.

Instructor in Gynecology, Illinois, 1912-18, Associate in Gynecology, 1918-19, Instructor in Medicine, 1907-11; Instructor in Gynecology, Chicago Policlinic, 1908-18, Assistant Professor of Gynecology, 1918—; Gynecologist, Grant Hospital, 1921—.

Harry Culver.........................*Assistant Professor in Genito-Urinary Surgery*

B.S., Wisconsin, 1910; M.D., Rush, 1913; M.S., Illinois, 1918.

Instructor in Experimental Medicine, Illinois, 1915-18, Instructor in Genito-Urinary Diseases, 1916-18; Fellow in Sprague Memorial Institute, 1915; Cystoscopist to Cook County Hospital, 1917—; Urologist to University Hospital, 1918—.

Raymond William McNealy.......................*Assistant Professor of Surgery*

M.D., Illinois, 1910.

Instructor in Neurology and Psychiatry, Illinois, 1912-13, Instructor in Senior Neurology, Psychiatry, and Junior Medicine, 1912-13, Instructor in Senior Surgery, 1913-14, Instructor in Surgery, 1914-18; Attending Surgeon, Cook County Hospital, 1917—, Post-Graduate Hospital, 1912-22, Illinois Masonic Hospital, 1921.

George Luther Davenport.........................*Assistant Professor of Surgery*

M.D., Illinois, 1907.

Associate Attending Surgeon, Michael Reese Hospital, 1913—; Attending Surgeon, Cook County Hospital, 1920—, Illinois Masonic Hospital, 1921—.

Arthur Reuben Cooper..........................*Assistant Professor of Anatomy*

A.B., Toronto, 1910, A.M., 1911; Ph.D., Illinois, 1917.

Class Assistant in general Biology, Toronto, 1909-11, Demonstrator in Zoology, 1911-12, Fellow and Demonstrator, 1912-14, Lecturing Demonstrator, 1914-15; Fellow in Zoology, Illinois, 1915-16; Honorary Fellow, 1916-17; Research Assistant in Zoology, University of Michigan, Biological Station, 1917 (Summer); Instructor in Anatomy, Illinois, 1917-19, Associate in Anatomy, 1919-20.

Harry Searls Gradle.......................*Assistant Professor of Ophthalmology*

A.B., Michigan, 1906; M.D., Rush, 1908.

Attending Ophthalmic Surgeon, Michael Reese Hospital, 1920—; Attending Ophthalmic Surgeon, Cook County Hospital, 1924—.

JACQUES HOLINGER........*Assistant Professor in Laryngology, Rhinology, and Otology*

M.D., University of Basel, 1890.

Assistant, Ear, Nose, and Throat Clinic, University of Basel, 1890-92; Physician, Chicago Eye and Ear Infirmary, 1893-97; Clinical Professor, Diseases of the Ear, Northwestern University, 1896-98; Instructor in Laryngology, Rhinology, and Otology, Illinois, 1919, Associate in Laryngology, Rhinology, and Otology, 1920-21.

LESTER EDWARD BOWER..............................*Assistant Professor in Pediatrics*

A.B., Illinois, 1912; M.D., Northwestern, 1914.

Attending Physician, Department of Contagious Diseases, Cook County Hospital, Attending Physician, Department of Pediatrics, 1918-19; Instructor in Pediatrics, Illinois, 1917-19; Attending Pediatrician, Chicago Nursing and Half Orphan Asylum; Associate in Pediatrics, Illinois, 1920-21; Attending Pediatrician, Illinois Masonic Hospital, 1924—.

WILLIAM JOSEPH QUIGLEY...........................*Assistant Professor of Medicine*

B.S., Wisconsin, 1911; M.D., Rush, 1913.

Attending Staff, Cook County Hospital (Tuberculosis), 1919; Instructor in Medicine, Illinois, 1919-21, Associate in Medicine, 1921-22.

ISADORE B. DIAMOND..............................*Assistant Professor of Neurology*

M.D., Southern Medical College, 1894.

Instructor, Histology, Pathology, and Bacteriology, Southern Medical College, Atlanta Ga., 1896-97; Pathologist, Grady Hospital, Atlanta, Ga., 1896-97; Assistant in Pathology, Rush, 1899-1902, Assistant in Medicine, 1907-11, Instructor in Medicine, 1907-11; Instructor in Neurology, Illinois, 1912-17.

ANDERS FRICK....................................*Assistant Professor of Medicine*

B.S., University of Lund, 1887; M.S., Sweden; M.D., Medical and Surgical Institute, Stockholm, Sweden, 1896.

Associate Professor of Medical Therapeutics, Rush, 1901-05; Chief of Department of Internal Medicine, Augustana Hospital, 1903—; Consulting Physician, Lake View Hospital, 1912—; Attending Physician, Cook County Hospital, 1912-13.

OLAF BERGEIM.......................*Assistant Professor of Physiological Chemistry*

B.S., South Dakota State College, 1908; M.S., Illinois, 1912; Ph.D., Jefferson Medical College, 1914.

Demonstrator, Associate, and Assistant Professor of Physiological Chemistry and Toxicology, Jefferson Medical College, 1914-23.

AUGUSTUS GEORGE ZIMMERMAN.........*Assistant Professor of Surgery (Extra Mural)*

LL.B., University of Strassburg, France, 1896; M.D., Strassburg, 1899.

First Assistant to the Chair of Surgery, University of Strassburg, 1902-07; Professor of Surgery, Post Graduate Medical School, Chicago, 1908-11; Attending Surgeon to St. Elizabeth's Hospital, 1908—; to Grant Hospital, 1909—; to Alexian Brothers' Hospital, 1910—.

WALTER CHARLES HAMMOND...........................*Assistant Professor of Obstetrics*

M.D., Illinois, 1911.

Attending Physician, Lakeview Hospital, 1913—; Instructor in Obstetrics, Illinois, 1913-19; Associate in Obstetrics, Chicago Policlinic Hospital, 1915-17; Adjunct Obstetrician, Chicago Lying-in Hospital and Dispensary, 1922; Associate in Obstetrics, 1919-23.

DAVID MORTIMER OLKON...........................*Assistant Professor of Neurology*

S.B., Chicago, 1915, A.M., 1917; M.D., Illinois, 1908; Medical Diploma, University Vienna, 1921; Medical Serologic Certificate, Finger Clinic, Vienna, 1921.

Attending Physician, Chicago Home for the Friendless, 1908-17; Associate in Research Clinic for Mentally retarded and psychopathic defective children, University of Chicago, School of Education, 1915-17; On Medical staff, Attending Neurologist, North Chicago Hospital, 1924—; Clinical Neurologist, Michael Reese Free Dispensary, 1924—.

NELSON F. FISHER................................*Assistant Professor of Physiology*

A.B., Gettysburg College, 1918; M.S., 1923; Ph.D., Chicago, 1923.

Assistant Professor of Physiology, Baylor, 1923-24.

EDMUND ANDREWS...................................*Assistant Professor of Surgery*

A.B., Yale, 1913, M.D., Rush, 1915.

Clinical Assistant Instructor in Surgical Anatomy, Northwestern, 1917-21; Associate in Surgery, Northwestern, 1922-24.

WILLIAM RAYMOND MEEKER...........*Assistant Professor of Surgery, Department of Research Surgery*

S.B., Chicago, 1915; M.D., Rush, 1920.

Instructor in Anatomy, Chicago, 1915-17; Assistant Professor of Pathology, Loyola, 1919; Professor and Head of Department of Pathology and Bacteriology, University of Arkansas, 1920; Head of the Section on Anesthesia, Mayo Clinic, 1921-23.

ASSOCIATES

Arrie Bamberger...*Associate in Surgery*

B.S., Chicago, 1906; M.D., Rush, 1909.
Instructor in Pediatrics, Illinois, 1910-11, Assistant Professor of Pediatrics, 1911-12, Assistant Professor of Clinical Pediatrics, 1912-13, Instructor in Minor Surgery, 1913-18; Attending Staff, Cook County Hospital, 1917-19; Attending Surgeon, Michael Reese Hospital Dispensary, 1910-20, Illinois General Hospital, 1921-23; Chicago Hospital, 1923, Streeter Hospital, 1923—; Attending Surgeon, Jackson Park Hospital, 1924—.

Oscar Eugene Nadeau..............*Associate in Surgery and Associate in Anatomy*

B.S., Wisconsin, 1911; M.D., Rush, 1913.
Instructor in Photography, Wisconsin, 1910-11; Instructor in Surgical Pathology, Illinois, 1911-18; Pathologist, St. Mary of Nazareth Hospital, 1912-13, Associate Surgeon, 1917—; Consulting Surgeon, Contagious Diseases Hospital, 1918—;Urologist, Augustana Hospital, 1918—.

Franklin Samuel Wilson.................................*Associate in Medicine*

Ph.G., Illinois, 1894; M.D., 1911.
Instructor in Chemistry, 1908-10; Instructor in Pharmacy and Materia Medica, 1911-13; Instructor Clinical Medicine, Illinois, 1914-18; Cook County Agents' Physician; Examining Physician for Juvenile Home and Court.

Walter Henry Theobald.........*Associate in Laryngology, Rhinology, and Otology*

B.S., Chicago, 1911; M.D., Rush, 1911.
Instructor in Surgery (Laryngology, Rhinology, and Otology), Illinois, 1916-18; Attending Otologist, Rhinologist, and Laryngologist, St. Luke's Hospital, 1915—.

Frank Lee Stone..*Associate in Gynecology*

M.D., Illinois, 1910.
Instructor in Pathology, Illinois, 1911-12; Professor of Pediatrics, Creighton, 1913-14; Instructor in Gynecology, Illinois, 1914-19.

John Perley Sprague............................*Associate in Orthopedic Surgery*

A.B., Bates College, 1898; M.D., Northwestern, 1903.
Clinical Assistant in Neurology, Northwestern, 1903-05; Professor of Hygiene, Grinnell College, 1914-17; Scientific Assistant, United States Public Health Service, 1918-19; Attending Staff, University Hospital, 1919—; Attending Surgeon (Orthopedic), Illinois Masonic Hospital, 1922—.

John Charles Matthew Krasa...........................*Associate in Medicine*

M.D., Illinois, 1913.
Instructor in Medicine, Illinois, 1914-17; Associate Attending Physician, University Hospital, 1914—; Attending Physician, Bohemian Settlement House of Chicago, 1919—; Member of Attending Staff, Illinois Charitable Eye and Ear Infirmary, 1921—; Associate Attending Ophthalmologist, 1922—; Associate Attending Physician, University Hospital, 1914-22; Associate Attending Ophthalmologist, University Hospital, 1922—.

Henry Lester Baker.......................................*Associate in Surgery*

M.D., Illinois, 1898.
Assistant in Clinical Surgery, Illinois, 1914-16; Member of Staff, University Hospital, 1915; Instructor in Surgery, Illinois, 1912-19.

George Washington Post, Jr...............................*Associate in Surgery*

B.S., Milton College, 1905, A.M., 1909; M.D., Illinois, 1909.
Attending Surgeon, St. Anne's Hospital, 1913—; Assistant in Clinical Surgery, Illinois, 1912-19.

Ralph Charles Sullivan...................................*Associate in Surgery*

A.B., St. Ignatius College, 1908; A.M., Loyola, 1912; M.D., Rush, 1912.
Instructor in Surgery, Chicago College of Medicine and Surgery, 1913-17; Attending Surgeon, Oak Park Hospital, 1921—.

Solomon M. Goldberger...................................*Associate in Pediatrics*

M.D., Illinois, 1908.
Attending Physician, Jewish Aid Dispensary, 1908-10, St. Margaret's Hospital, Hammond, Ind., 1910-15, Norwegian Deaconess Hospital, 1916—; Norwegian American Hospital, 1916—; Pediatrician, Chicago Policlinic, 1917—; Instructor in Pediatrics, Illinois, 1918-21.

Charles Francis Yerger..........*Associate in Laryngology, Rhinology, and Otology*

Ph.G., Northwestern, 1898; M.D., 1905.
Instructor in Medicine, Illinois, 1905-07, Instructor in Operative Surgery, 1907-11; Instructor in Oto-Laryngology, Rush, 1912-13; Attending Surgeon, Sceleth Hospital (Eye, Ear, Nose, and Throat), House of Correction, 1913-20, Illinois Charitable Eye and Ear Infirmary, 1913—; Attending Oto-Laryngologist, Cook County Hospital, 1920—; Instructor in Laryngology, Rhinology, and Otology, Illinois, 1918-21.

Marcus Hatfield Hobart........................*Associate in Orthopedic Surgery*

A.B., Northwestern, 1912, M.D., 1915.

Instructor in Medicine, Northwestern University, 1916-17; Instructor in Orthopedic Surgery, Illinois, 1920-21; Attending Staff, Orthopedic Surgery, St. Luke's Hospital, 1921—; Attending Surgeon, Evanston Hospital, 1922—; Attending Surgeon, St. Francis Hospital, 1921—.

Grover Tracy..............................*Associate in Physiological Chemistry*

A.B., Pennsylvania College, 1909.

Assistant in Physiological Chemistry, Illinois, 1914-16; Assistant in Physiological Chemistry, Columbia, 1916-18; Instructor in Physiological Chemistry, Illinois, 1919-21.

Harold Stacey Hulbert.................................*Associate in Neurology*

M.D., Michigan, 1914.

Demonstrator in Psychiatry, Michigan, 1914-17; Assistant Physician in State Psychopathic Hospital, Michigan, 1916; Consulting Psychiatrist, U. S. Naval Training Station, Great Lakes, 1917-18; Assistant Physician, Chicago State Hospital, 1919-21; Instructor in Neurology, Illinois, 1920-21.

Arthur Ray Metz..............................*Associate in Operative Surgery*

A.B., Indiana, 1909; M.D., Rush, 1911.

Surgeon and Roentgenologist, Washington Boulevard Hospital, 1913—; Assistant in Operative Surgery, Illinois, 1920-21.

Clarence J. McMullen.................................*Associate in Medicine*

M.D., Illinois, 1912.

Assistant in Medicine, Illinois, 1917-18; Instructor in Medicine, 1919-21; Attending Physician, West Side Hospital, 1919—; Cook County Hospital (Tuberculosis Department), 1923—.

Hans Nachtigall.......................................*Associate in Obstetrics*

M.D., Chicago College of Medicine and Surgery, 1913.

Assistant to Professor Koblanck (Gynecology and Obstetrics) and to Professor K. Brandenburg (Internal Medicine) at the Rudolph Virchow Krankenhaus, Berlin, Germany, 1913-14.

Isador Michael Levin..................................*Associate in Pediatrics*

A.S., Chicago, 1914, B.S., 1916; M.D., Rush, 1919.

Eugene Cary...*Associate in Obstetrics*

B.S., Chicago, 1910; M.D., Rush, 1912.

Clinical Assistant, and Instructor in Gynecology, Northwestern, 1914-21; Junior Obstetrician, St. Luke's Hospital, 1914—; Instructor in Obstetrics, 1922-23.

Joseph K. Calvin......................................*Associate in Pediatrics*

B.S., Chicago, 1916; M.D., Rush, 1918.

Assistant in Pediatrics, Illinois, 1920-21; Instructor in Pediatrics, 1922-23.

Richard Hermann Jaffe................................*Associate in Pathology*

M.D., University of Vienna, 1913.

Walter John Richard Heinekamp......*Associate in Pharmacology and Therapeutics*

B.S., Illinois, 1919, M.S., 1920, M.D., 1923.

Assistant in Pharmacology, 1918-22; Assistant in Obstetrics, 1922-23; Research Assistant in Medicine, 1923; Associate in Pharmacology and Therapeutics, 1923.

Seymour J. Cohen.............*Associate in Pharmacology and Assistant in Medicine*

B.S., Chicago, 1917; M.D., Rush, 1919.

Assistant in Physiology, Chicago, 1917; Assistant in Pharmacology, Illinois, 1917-19; Instructor in Pharmacology, Illinois, 1921-24.

Isadore Pilot...*Associate in Pathology*

M.D., Illinois, 1917; B.S., Chicago, 1919.

Pathologist, Lutheran Deaconess and Lutheran Memorial Hospitals, 1921—; Pathologist, North Chicago Hospital, 1924—; Adjunct in Medicine, Michael Reese Hospital, 1923—; Instructor in Pathology, Illinois, 1919-24.

James T. Groot..*Associate in Physiology*

S.B., Chicago, 1920; B.S., Illinois, 1921; M.D., Illinois, 1924.

Assistant in Physiology, Illinois, 1916-20; Instructor in Physiology, Illinois, 1918-24; Lecturer in University of Illinois, School of Pharmacy, 1921—; Resident in Obstetrics and Gynecology, Illinois Research and Educational Hospital, February, 1925—.

Charles Newberger..................................*Associate in Obstetrics*

B.S., Chicago, 1906; M.D., Rush, 1909.
Instructor in Obstetrics, Illinois, 1912-18; Assistant Obstetrician, Chicago Lying-In Hospital, 1913—; Attending Obstetrician, Mt. Sinai Hospital, 1919—.

Samuel Perlstein..*Associate in Medicine*

M.D., Northwestern, 1907.

LECTURERS

Elmer DeWitt Brothers......................*Lecturer on Medical Jurisprudence*

B.S., Valparaiso, 1882; LL.B., Michigan, 1892.
Lecturer on Dental Jurisprudence, Illinois, 1913—; Lecturer and Instructor, John Marshall Law School, 1903—.

Matthew Mills.....................*Alternate Lecturer on Medical Jurisprudence*

A.B., Yale, 1900; LL.B., Northwestern, 1903.
Instructor, John Marshall Law School, 1903—.

Bernard John Cigrand...........................*Lecturer on History of Medicine*

B.S., Northern Indiana Normal School, 1884; M.S., Valparaiso, 1885; D.D.S., Lake Forest University, 1888.
Head of Prosthetic Dentistry, Northwestern (Dental), 1892-99; Secretary and Dean, Illinois (Dental), 1899-1904.

INSTRUCTORS

Annie Esther Barron-Harrison...........................*Instructor in Obstetrics*

M.D., Illinois, 1902.
Superintendent, University Dispensary, 1902-14; Physician to Helen Day Nursery, 1914-17; Assistant Obstetrician, University Hospital, 1907—.

Harry Jerome Smejkal.......................*Instructor in Genito-Urinary Surgery*

M.D., Illinois, 1908.
Physician, Chicago Hospital, 1908-09; Instructor in Anatomy, Illinois, 1910-11, Instructor in Medicine, 1911-14.

Archie James Graham.............................*Instructor in Operative Surgery*

B.S., Illinois, 1902; M.D., 1902.

Thomas Smith Jones.............*Instructor and Artist in Department of Anatomy*

B.F.A., St. Louis, 1908.

Clyde Mason Snow..............*Instructor in Materia Medica, Pharmacology, and Therapeutics*

Ph.G., Illinois, 1902; A.M., Valparaiso, 1910.
Instructor in Chemistry of Drugs, Harvey Medical College, 1903-04, Lecturer on Pharmacognosy, 1903-04; Lecturer on Pharmacy, Chicago College of Medicine and Surgery, 1909-10; Instructor in Pharmacy, Illinois (Pharmacy), 1902-10, Acting Professor of Pharmacy, 1910-11, Assistant Professor of Pharmacy, 1911-19, Associate Professor of Pharmacy, 1919-20, Professor of Pharmacy, 1920—.

Thomas John Sullivan, Jr........................*Instructor in Orthopedic Surgery*

M.D., Illinois, 1915.
Attending Surgeon, Mercy Hospital.

Leo Anthony Juhnke.................................*Instructor in Gynecology*

M.D., Northwestern, 1910.
Assistant in Gynecology, Chicago, 1913-14, Instructor in Gynecology, 1915-16, Assistant Professor, 1917; Assistant in Gynecology, Illinois, 1917-19; Attending Physician, Home of Good Shepherd.

Frank George Murphy..........................*Instructor in Orthopedic Surgery*

B.S., Minnesota, 1913; M.D., Rush, 1915.
Attending Orthopedic Surgeon, South Shore Hospital, Chicago, 1922—.

DENNIS RIDER WOOD CRILE.........*Instructor in Orthopedic Surgery and in Anatomy*
B.S., Wisconsin, 1914; M.D., Harvard, 1917.
Instructor in Surgery, Western Reserve, 1920; Instructor in Surgery, Lakeside Hospital, Cleveland, 1920; Senior Orthopedic Surgeon, St. Mary of Nazareth Hospital, 1921; Attending Surgeon, Chicago Memorial Hospital, 1922—; In charge of Grove House for Convalescents, 1923—.

LYNDON HARRIS......................................*Instructor in Surgery*
M.D., Illinois, 1912.
Instructor in Junior Medicine, Illinois, 1914-16.

HALLARD BEARD................................*Instructor in Ophthalmology*
B.S., Chicago, 1914; M.D., Rush, 1917.

VINCENT JOHN O'CONOR.......................*Instructor in Genito-Urinary Surgery*
B.S., Michigan, 1915; M.D., Rush, 1917.
Instructor, Genito-Urinary Diseases, Harvard, 1919-20; House Officer, Peter Bent Brigham Hospital, Boston, 1917; House Surgeon, Presbyterian Hospital, Chicago, 1918-19; Residing Urological Surgeon, Peter Bent Brigham Hospital, Boston, 1919-20; Attending Urological Surgeon, Washington Boulevard Hospital, Chicago.

MAX S. WIEN....................................*Instructor in Dermatology*
B.S., Chicago, 1917; M.D., Rush, 1919.
Examining Physician, Chicago Winfield Tuberculosis Sanitarium, 1921—.

LLOYD LAVERNE ELY.................................*Instructor in Medicine*
M.D., Iowa, 1919.

HARRY WILLIAM FINK...................................*Instructor in Dermatology*
B.S., Chicago, 1918; M.D., Rush, 1921.

IDEL TREIGER..............................*Instructor in Clinical Laboratory*
M.D., University of Berne, 1917.
Assistant Professor of Pathology, Pathological Institute, University of Berne, 1917-18; Assistant Surgeon and Pathologist, City Hospital Burgdorf, Berne, Switzerland, 1918-20.

DAVID M. LEVY...................................*Instructor in Criminology*
A.B., Harvard, 1914; M.D., Rush, 1918.
State of Illinois, Psychiatrist, Division of the Criminologist; Assistant Director, Institute for Juvenile Research.

MARGARET AMERTON HEATH.........................*Instructor in Ophthalmology*
A.B., Wellesley College, 1907.

PEARL MAE STETLER......................................*Instructor in Obstetrics*
A.B., Wisconsin, 1911; M.D., Johns Hopkins, 1913.
Assistant in Gynecology, Rush, 1917-19; Member attending Staff, Obstetrics and Gynecology, Mary Thompson Hospital, 1920; Surgical attending staff, Women and Children's Hospital, 1923—.

RUSSELL DORR HERROLD.......................*Instructor in Genito-Urinary Surgery*
B.S., Drake, 1911; M.D., Rush, 1915.
Member of Staff, John McCormick Institute for Infectious Diseases, 1917—.

GOLDYE HOFFMAN..................................*Instructor in Gynecology*
M.D., Illinois, 1915.
Assistant in Gynecology, Illinois, 1918-21.

CLARA GRACE GOTTSCHALK...............................*Instructor in Surgery*
M.D., Illinois, 1915.
Assistant in Surgery, Illinois, 1918-21.

PHILLIP ROSENBLUM...................................*Instructor in Pediatrics*
M.D., Northwestern, 1913.
Assistant in Pediatrics, Illinois, 1921-22; Adjunct Attending Pediatrician, Michael Reese Hospital, 1923—.

WILLIAM FRANKLIN MONCREIFF.......................*Instructor in Ophthalmology*
B.S., Vanderbilt, 1913, M.S., 1913; M.D., Rush, 1917.
Assistant in Ophthalmology, Illinois, 1921-22.

Julius Brams............................*Instructor in Pathology and Bacteriology*
B.S., Illinois, 1919, M.D., 1921.

Albert VanderKloot..................................*Instructor in Medicine*
M.D., Illinois, 1915.

Francis Loeffler Lederer........*Instructor in Laryngology, Rhinology, and Otology*
B.S., Chicago, 1919; M.D., Rush, 1921.
Attending Otologist, Rhinologist, and Laryngologist, North Chicago Hospital, 1923—.

Frank Max Wittelle.....................................*Instructor in Medicine*
B.S., Illinois, 1919, M.D., 1920.
Assistant in Medicine, 1921-22.

Maxwell P. Borovsky.................................*Instructor in Pediatrics*
B.S., Chicago, 1917; M.D., Rush, 1919.
Resident Physician, Cook County Children's Hospital, 1920-21; Examining Physician, Children's Department, Winfield Tuberculosis Sanitarium, 1921—; Attending Pediatrician, North Chicago Hospital, 1924.

Robert Ludwick Furby...................................*Instructor in Pediatrics*
M.D., Illinois, 1913.
Instructor in Medicine, Illinois, 1914-19.

Franklin Ransom Fitch...................................*Instructor in Physiology*
B.S., Illinois, 1919; M.D., Illinois, 1922.

Abraham Fae Lash.....................................*Instructor in Gynecology*
B.S., University of Chicago, 1919; M.D., Rush, 1921.

Bess Lucile Lloyd..*Instructor in Anatomy*
B.S., Northwestern, 1921; M.S., Washington University, 1923.

Leo Louis Hardt...*Instructor in Medicine*
B.S., University of Chicago, 1914; M.S., 1916; M.D., Rush, 1917.
Assistant in Chemistry, University of Chicago, 1913; in Physiology, 1914-16; Assistant in Medicine and Neurology, Rush, 1917-20; Member of Staff in Medicine, Mayo Clinic, 1920-23.

Marshall Daniel Hayes..................................*Instructor in Obstetrics*
B.S., Illinois, 1918; M.D., Rush, 1921.
Instructor in Medicine, Rush, 1920-21; Pre-natal clinic, Cook County Hospital, 1923; Attending Physician, Englewood Hospital, 1923—.

Edgar Theron Blair.....................................*Instructor in Obstetrics*
B.S., Illinois, 1918, M.D., 1920.
Assistant Attending Obstetrician, University Hospital, 1924—.

Alvah Lewis Sawyer......................................*Instructor in Medicine*
B.S., Beloit, 1909; M.D., Illinois, 1913.
Associate, Staff West Suburban Hospital, 1919—.

Duane Willard Propst....................................*Instructor in Medicine*
A.B., Illinois, 1916, B.S., 1917, M.D., 1919.

Israel Lytton Sherry....................................*Instructor in Pediatrics*
B.S., Chicago, 1910; M.D., Rush, 1912.

John Baptist Cipriani...................................*Instructor in Medicine*
M.D., Illinois, 1913.

Leonard Fred Weber...................................*Instructor in Dermatology*
M.D., Illinois, 1922.
Attending Dermatologist, St. Anthony's Hospital, 1923—.

Jacob Meyer...*Instructor in Medicine*
B.S., Chicago, 1914; M.D., Rush, 1916; M.S., Chicago, 1917.
Associate Attending Physician, Mt. Sinai Hospital, 1923—; Adjunct Michael Reese Hospital, 1924—.

Edmund F. Foley.......................................*Instructor in Medicine*
B.S., Chicago, 1918; M.D., Rush, 1921.

James Edward Fitzgerald..............................*Instructor in Obstetrics*
A.B., Michigan, 1914; M.D., Northwestern, 1920.

Joseph J. Litschgi..................................*Instructor in Roentgenology*
M.D., Chicago Medical College, 1920.
Instructor in Roentgenology, Illinois, 1922-24.

Ben Zion Rappaport....................*Instructor in Pathology and Bacteriology*
B.S., Illinois, 1920, M.D., 1923.

Max Pinner............................*Instructor in Pathology and Bacteriology*
M.D., University of Tubingen, 1920.
Assistant in Institute of Pathological Biology and Medical Clinic of the University of Hamburg, 1921; Resident at California Sanatorium for Tuberculosis, 1921-24; In charge of Department of Bacteriology and Serology of the Municipal Tuberculosis Sanatorium, Chicago, 1924—.

Michael Henry Streicher...............................*Instructor in Anatomy*
B.S., Illinois, 1922; M.S., Illinois, 1925.

Arthur Gideon Cole......................*Instructor in Physiological Chemistry*
B.S., Chicago, 1920.
Assistant in Quantitative Analysis, Chicago, 1919-20; Curator in Chemistry, 1920; Assistant in Qualitative Analysis, Chicago, 1921; Assistant in Physical Chemistry, Chicago, 1922; Assistant Professor of Chemistry and Registrar, General Medical College of Chicago, 1922-24.

Edward Larson...........................*Instructor in Physiological Chemistry*
B.S., Illinois, 1920; M.S., Iowa, 1921.
Assistant in Chemistry Department, Iowa, 1920-21; Professor of Chemistry, Western Reserve School of Pharmacy, 1921-23; Assistant in Physiological Chemistry, Chicago, 1923-24.

Elizabeth M. Koch...................................*Instructor in Pharmacology*
Ph.B., Chicago, 1914; M.A., Chicago, 1915; Ph.D., Chicago, 1921.

Barney Usher...*Instructor in Dermatology*
B.A., McGill, 1919, M.D., 1922.

Lindon Seed.................................*Instructor in Surgery (Research)*
B.A., North Dakota, 1918, M.D., Rush, 1921, M.S. Mayo Foundation, University of Minnesota, 1925.

John Douglas Koucky..........................*Instructor in Surgery (Research)*
B.S., University of Chicago, 1918, M.D., Rush, 1922.

ASSISTANTS

Frederick Christopher...................................*Assistant in Surgery*
B.S., Northwestern, 1911; M.D., Johns Hopkins, 1915.
Assistant Surgeon, St. Luke's Hospital, 1920; Junior Surgeon, Evanston Hospital, 1922.

Walter Rathfon Fischer........................*Assistant in Orthopedic Surgery*
B.S., Illinois, 1919, M.D., 1920.

Benjamin Braude...............................*Assistant in Operative Surgery*
B.S., Chicago, 1906, M.S., 1907; M.D., Rush, 1909.
Instructor in Neurology, Illinois, 1911-14; Assistant in Ear, Nose, and Throat, Rush, 1914-15; Assistant in Anatomy, Illinois, 1919-20.

Irving Robert Browning........................*Assistant in Operative Surgery*
B.S., Michigan, 1912; M.D., Rush, 1919.
House Physician, Washington Boulevard Hospital, 1920—.

Samuel Glenwood Plice...............................*Assistant in Obstetrics*
B.S., Illinois, 1919; M.D., 1921.

Gilbert Palmer Pond……*Assistant in Surgery*
B.S., Pennsylvania State College, 1915; M.D., Rush, 1919.

Harold Norris Ets……*Assistant in Medicine*
B.S., University of Rochester, 1920; M.S., Illinois, 1923.

Howard LaRue Marsh……*Assistant in Physiological Chemistry*
B.S., Pennsylvania State College, 1909, M.S., 1912.

Adeline R. White……*Assistant in Anatomy*
B.S., Wisconsin, 1899; M.D., Rush, 1920.

Louis Bothman……*Assistant in Ophthalmology*
B.S., Chicago, 1915; M.D., Rush, 1917.
Resident, Cook County Hospital, 1918-19; Assistant in Surgery, Loyola, 1919; Assistant in Medicine, St. Louis, 1920.

Ralph August Kordenat……*Assistant in Surgery*
B.S., Illinois, 1919, M.S., 1921, M.D., 1922.
Assistant Attending Surgeon, St. Elizabeth's Hospital, 1924—.

Max E. Engerman……*Assistant in Pediatrics*
B.S., Illinois, 1918, M.D., 1920.

Louis J. Wisch……*Assistant in Pediatrics*
M.D., Illinois, 1922.
Attending Physician, Infant Welfare, Health Department, City of Chicago, 1924—.

Guy Leon Wagoner……*Assistant in Pediatrics*
B.S., Illinios, 1916, M.D., 1918.

Charles Owen Hershey……*Assistant in Obstetrics*
M.D., Illinois, 1922.

Carl Cohen……*Assistant in Pediatrics*
B.S., Illinois, 1918, M.D., 1920.

Yngve Joranson……*Assistant in Anatomy*
A.B., Augustana, 1913; B.S., Chicago, 1915; M.D., Rush, 1917.
Attending Surgeon, Augustana Home for the Aged, 1920; Attending Surgeon, South Shore Hospital, 1924—.

John W. Brennan……*Assistant in Anatomy*
M.D., Rush, 1920.

I. A. Rabens……*Assistant in Medicine*
B.S., Chicago, 1914, M.S., 1914; M.D., Rush, 1916.
Attending Staff, Internal Medicine, North Chicago Hospital, 1918—.

Henry C. Becker……*Assistant in Hygiene*
M.D.V., McKillip College, 1911.

Jesse Henry Roth……*Assistant in Laryngology, Rhinology, and Otology*
A.B., Notre Dame, 1910, M.S., 1914; M.D., Illinois, 1915.

Adolph Kraft……*Assistant in Experimental Surgery*
B.S., Illinois, 1919, M.S., 1920, M.D., 1922.

Beulah Cushman……*Assistant in Ophthalmology*
M.D., Illinois, 1916; B.S., Milwaukee Downer College, 1922.

Dorrin Fred Rudnick……*Assistant in Surgery*
B.S., Illinois, 1922, M.D., 1923.

Theodore Ross Van Pelt……*Assistant in Medicine*
B.S., Illinois, 1920, M.D., 1922.

L. Benno Bernheimer.............*Assistant in Laryngology, Rhinology, and Otology*
M.D., Illinois, 1921.

Charles Edwin Blomgren..................................*Assistant in Medicine*
B.S., Wisconsin, 1896; M.D., Rush, 1899.
Instructor in Therapeutics, Rush, 1902-03.

John Joseph Theobald............*Assistant in Laryngology, Rhinology, and Otology*
B.S., Chicago, 1917; M.D., Rush, 1919.

Julius Ernest Fleischner..............................*Assistant in Gynecology*
B.S., Illinois, 1921; M.D., 1923.

Iris McKy Chamberlain..................................*Assistant in Pediatrics*
M.D., Washington University, 1921.

Ellis B. Freilich......................................*Assistant in Medicine*
M.D., Illinois, 1914.

Samuel J. Burrows......................................*Assistant in Anatomy*
M.D., Jefferson Medical College, 1917.

Joseph Greengard.......................................*Assistant in Medicine*
B.S., Illinois, 1921.

Morris Louis Parker....................................*Assistant in Surgery*
B.S., Northwestern, 1919, M.D., 1923.

Deane Francis Brooke...................................*Assistant in Medicine*
M.D., George Washington University, 1922.

Henry David Cohen..................................*Assistant in Dermatology*
B.S., Chicago, 1918; M.D., Rush, 1921.

Henry Rex Amberson.....................................*Assistant in Surgery*
A.B., North Dakota, 1921, M.D., Illinois, 1923.

Manfred U. Prescott....................................*Assistant in Anatomy*
B.S., Illinois, 1920; M.D., Illinois, 1922.

Jacob Morton Mora......................................*Assistant in Medicine*
B.S., Illinois, 1922; M.D., Illinois, 1925.

Harold D. Clayberg.....................................*Assistant in Anatomy*
B.S., Illinois, 1913; M.S., Chicago, 1914; Ph.D., Chicago, 1917.

Howard Goodsmith.......................................*Assistant in Anatomy*
B.S., Northwestern, 1917; M.D., 1918.

Herman J. Pilka..*Assistant in Anatomy*
B.S., Illinois, 1920, M.D., 1923.

Lyman Luther Daines.....................*Assistant in Pathology and Bacteriology*
A.B., Brigham Young College, 1908; M.A., Utah, 1910; Ph.D., California, 1912.
Instructor in Pathology and Bacteriology, Utah, 1915-24.

Benjamin M. Levin......................................*Assistant in Pediatrics*
B.S., Illinois, 1921; M.D., 1923.

Abe M. Puris...*Assistant in Pediatrics*
B.S., Nebraska, 1918, M.D., 1919.

Lawrence J. Wilhelmi...................................*Assistant in Pediatrics*
B.S., Knox, 1917; M.D., Rush, 1922.
Assistant in Pathology, Rush, 1920-22.

Ben Jacque Malnekoff...................................*Assistant in Medicine*
M.D., Illinois, 1924.

Rudolph J. Mroz.................................*Assistant in Orthopedics*
B.S., Illinois, 1919; M.D., 1922.

Edwin W. Hirsch...........................*Assistant in Genito-Urinary Surgery*
B.S., Chicago, 1914; M.D., Rush, 1916.
Clinical Assistant, Loyola, 1923-24.

Chauncey Carter Maher..................................*Assistant in Surgery*
B.S., Illinois, 1921; M.D., 1923.

Fred Rush Thompson..................................*Assistant in Anatomy*
B.S., Illinois, 1919, M.D., 1920.
Assistant in Surgery, Illinois, 1923-24.

Stanley J. Imbiorski..................................*Assistant in Anatomy*
B.S., Illinois, 1921, M.D., 1924.

Maurice Alexander Roe..*Research Assistant in Laryngology, Rhinology, and Otology*
B.S., Loyola, 1924.

Barclay Elijah Noble.................................*Assistant in Physiology*
B.S., Iowa State College, 1922.

J. Robert Doty.......................................*Assistant in Physiology*
B.S., Chicago, 1922.

Ruth Elvira Westlund...........................*Assistant in Preventive Medicine*
B.S., Chicago, 1923.

Morris Carl Solomon.......................*Assistant in Physiological Chemistry*
B.S., Indiana, 1924.

Samuel I. Kaufman.....................................*Assistant in Anatomy*
M.D., Loyola, 1921.

AFFILIATED HOSPITAL STAFFS

THE UNIVERSITY HOSPITAL

Surgery:
Charles Davison, A.M., M.D.................................*Attending Surgeon*
Max Meyerovitz, M.D..............................*Assistant Attending Surgeon*
Charles Marshall Davison, B.S., M.D.............*Assistant Attending Surgeon*

Medicine:
Edward Louis Heintz; Ph.G., M.D., LL.D.................*Attending Physician*
Ralph Sherman Michel, M.D...................................*Attending Physician*

Obstetrics:
Otto Herman Rohrlack, Ph.G., M.D...................*Attending Obstetrician*
Edgar Theron Blair, B.S., M.D...............*Assistant Attending Obstetrician*

Genito-Urinary Surgery:
Harry Culver, M.S., M.D.....................................*Attending Urologist*
William Henry Bradley, M.D...........*Assistant Genito-Urinary Surgeon and Dermatologist*

Pediatrics:
Henry Eugene Irish, M.D.................................*Attending Pediatrician*
Vandy Frank Masilko, M.D.....................*Assistant Attending Pediatrician*

Diseases of the Eye:

William Elliot Gamble, B.S., M.D.................*Attending Ophthalmologist*
Edward Vail Lapham Brown, B.S., M.D............*Attending Ophthalmologist*
John Mathew Krasa, M.D..............*Assistant Attending Ophthalmologist*
William Frederick Moncreiff, M.S., M.D.. .*Assistant Attending Ophthalmologist*

Diseases of the Nose and Throat:

Karl Albert Meyer, M.D.......... ...*Attending Laryngologist and Rhinologist*

Orthopedic Surgery:

John Perley Sprague, A.B., M.D...............*Attending Orthopedic Surgeon*
Walter Rathfon Fischer, B.S., M.D.....*Assistant Attending Orthopedic Surgeon*

Roentgenology and Pathology:

Don John Royer, M.D.........................*Pathologist and Roentgenologist*

GRANT HOSPITAL OF CHICAGO

Consulting Staff

Surgery—Dr. Jacob Frank, 25 E. Washington St.; Dr. L. L. McArthur, 122 S. Michigan Ave.; Dr. Arthur Dean Bevan, 122 S. Michigan Ave.

Internal Medicine—Dr. O. L. Schmidt, 5 S. Wabash Ave.; Dr. Gustave S. Schirmer, 1101 S. Ashland Ave.

Pathology—Dr. F. Robert Zeit, 643 Garland Ave., Winnetka

Nose and Throat—Dr. Frederick Menge, 25 E. Washington St.

Roentgen Department—Dr. M. J. Hubeny, 25 E. Washington St.

Genito-Urinary and Dermatology—Dr. L. E. Schmidt, 5 S. Wabash Ave.

Attending Staff

Surgery—Dr. A. G. Zimmerman, 30 N. Michigan Ave.; Dr. Sylvan Coombs, 25 E. Washington St.; Dr. H. Edward Sauer, 25 E. Washington St.; Dr. William Hessert, 547 Fullerton Ave.

Medicine—Dr. W. S. Orth, 5 S. Wabash Ave.; Dr. John E. Siebel, 1538 Dearborn Parkway; Dr. Alexander Stevenson, 104 S. Michigan Ave.

Gynecology—Dr. T. J. Doederlein, 25 E. Washington St.; Dr. E. W. Fischmann, 30 N. Michigan Ave.

Obstetrics—Dr. C. S. Bacon, 2333 Cleveland Ave.; Dr. W. A. Stuhr, 2733 N. Clark St.; Dr. Julius E. Lackner, 104 S. Michigan Ave.

Eye—Dr. Ludwig Abele, 30 N. Michigan Ave.; Dr. O. H. Kraft, 1524 N. Dearborn St.

Ear, Nose, and Throat—Dr. George Dennis, 25 E. Washington St.; Dr. J. Holinger, 5 S. Wabash Ave.; Dr. G. T. von Colditz, 25 E. Washington St.

Nervous Diseases—Dr. Peter Bassoe, 30 N. Michigan Ave.

Genito-Urinary and Dermatology—Dr. Frederick Schmidt, 5 S. Wabash Ave; Dr. H. A. Kraus, 25 E. Washington St.

Pediatrics—Dr. Ernst Lackner, 31 N. State St.; Dr. G. Edwin Baxter, 4603 Broadway; Dr. Franklin J. Corper, 4603 Broadway.

Anesthetics—Dr. J. E. H. Atkeisson, 1954 Milwaukee Ave.

Department Directors

Pathology—Dr. Richard H. Jaffe

X-Ray—Dr. Joseph J. Litschgi

ST. ELIZABETH HOSPITAL

Attending Staff

The Department of Medicine

Physician in Chief and Head of the Department

Frank Smithies, M.D.

Consulting Physicians

Frederick Tice, M.D.	*Diseases of the Lungs*
J. Patton, M.D.	*Diseases of the Heart and Circulatory System*
Julius Hess, M.D.	*Diseases of Infancy and Childhood*
John Favill, M.D.	*Diseases of the Nervous System*
Wm. A. Pusey, M.D.	*Dermatology and Syphilology*
D. J. Davis, M.D.	*Pathology and Bacteriology*
Hugh McGuigan, M.D.	*Clinical Biochemistry*

Attending Physicians

A. E. Luckhardt, M.D.	*Neuropsychiatry*
Richard Bartlett Olesen, M.D.	*Tuberculosis, Cardiology*
Francis E. Senear, M.D.	*Dermatology*

Associate Attending Physicians—General Medicine

Peter J. Latz, M.D.
A. W. Lakemeyer, M.D.
G. L. Perusse, M.D.
G. W. Cassidy, M.D.
A. J. Alcorn, M.D.

Assistant Attending Physicians—General Medicine

M. A. Bisdorf, M.D.
L. A. Garness, M.D.
A. J. Behrendt, M.D.
Fred Rudnick, M.D.

Visiting Physicians—Extra Mural

S. H. Ganser, M.D.
A. F. Delfosse, M.D.
R. L. Furby, M.D.
Theodore Giese, M.D.
M. Neumen, B.S., M.D.
B. Levine, B.S., M.D.
L. Figuero, B.S., M.D.
J. P. Gibbs, M.D.
R. R. Lande, M.D.
A. J. Johnston, M.D.
W. A. Simunich, M.D.
H. Edwards, B.S., M.D.
G. Pi-it, B.S., M.D.

Division of Pathology and Research Medicine

F. L. Pickof, B.S., M.D............*Attending Pathologist and Director of Laboratory Diagnosis and Investigation*

Hospital Staff

The Department of Surgery

Surgeon in Chief and Head of the Department

President of Staff

W. C. Sanford, B.S., M.D.

Attending Surgeons

M. G. Luken, M.D.
August G. Zimmerman, M.D.
E. E. Henderson, M.D.

Associate Attending Surgeons

E. N. Redden, M.D.
J. J. Monahan, M.D.
B. S. Milton, M.D.
C. S. Krysinski, M.D.

Assistant Attending Surgeons

J. P. Woitalewicz, M.D.
A. J. Linowiecki, B.S., M.D.
Z. Klopper, M.D.
A. E. Malachowski, M.D.
E. K. Avery, M.D.
E. B. Kalvelage, M.D.
J. F. Dybalski, M.D.
Ralph Kordenat, M.D.

Attending Gynecologists

P. A. Sullivan, M.D.
J. R. Lavieri, M.D.
M. A. Gier, M.D.

Attending Oto-laryngologists and Ophthalmologists

A. G. Wippern, M.D.
Oscar Cleff, M.D.

Assistant Attending Oto-laryngologists and Ophthalmologists

Francis A. Dulak, M.D.
V. Englert, M.D.

Attending Obstetricians

D. H. Rohrlack, M.D.
Oscar Ofner, M.D., F.A.C.S.
J. W. Kramps, M.D.

Attending Oral Surgeon

Dennis J. Normoyle, D.D.S.

CHICAGO POLICLINIC AND HOSPITAL

Attending Staff

Surgery—Malcolm L. Harris, M.D.; Edwin M. Smith, M.D.; William Hessert, M.D.; Norman Kerr, M.D.; Paul Morf, M.D.; John A. Graham, M.D.

Operative Surgery and Surgical Anatomy—Irving Perrill, M.D.

Genito-Urinary—Wm. T. Belfield, M.D.; Louis E. Schmidt, M.D.

Skin—Lucius C. Pardee, M.D.; Frank E. Simpson, M.D.

Gynecology—A. Belcham Keyes, M.D.; Channing W. Barrett, M.D.; Harvey Tyler, M.D.; C. Von Bachelle, M.D.

Obstetrics—Charles S. Bacon, M.D.; Eugene Cary, M.D.

Medical and Physical Diagnosis—O. L. Schmidt, M.D.; J. M. Patton, M.D.; A. F. Stevenson, M.D.; O. W. McMichael, M.D.; J. F. Hultgen, M.D.

Stomach—C. S. Williamson, M.D.

Pediatrics—Sam J. Walker, M.D.; P. E. Grabow, M.D.; N. H. Kleinpell, M.D.; S. M Goldberger, M.D.

Neurology—Hugh T. Patrick, M.D.; Sydney Kuh, M.D.; James C. Gill, M.D.; J. W. Davis, M.D.

Eye—George W. Mahoney, M.D.; Otto Wipper, M.D.

Ear, Nose, and Throat—C. M. Robertson, M.D.; G. F. Fiske, M.D.; Otto T. Freer, M.D.; David Fiske, M.D.; J. M. Bick, M.D.

Pathology, Bacteriology, and Microscopy—John A. Graham, M.D.

THE WEST SIDE HOSPITAL

Attending Staff

Surgery
- T. A. Davis, M.D., President
- Alex C. Wiener, M.D.
- Thomas J. Conley, M.D.
- J. P. Smyth, M.D.
- George F. Thompson, M.D.
- George C. Amerson, M.D.
- E. M. Brown, M.D.
- C. R. G. Forrester, M.D.
- Wm. S. Royce, M.D.
- C. C. O'Byrne, M.D.

Internal Medicine
- Clyde D. Pence, M.D., Vice-President
- W. L. Callaway, M.D.
- J. J. Pflock, M.D.
- C. J. McMullen, M.D.

Eye and Ear
- Wm. L. Noble, M.D., Secretary
- E. E. Dewey, M.D.

Nose and Throat
- James A. Clark, M.D.
- M. W. Brucker, M.D.

Gynecology
- John M. Lang, M.D., Treasurer
- F. S. Hartman, M.D.
- A. H. Brumback, M.D.
- Channing W. Barrett, M.D.
- A. N. Clagett, M.D.
- S. G. West, M.D.
- R. H. Davies, M.D.

Genito-Urinary Surgery
- J. S. Nagel, M.D.

HOSPITAL OF ST. ANTHONY DE PADUA

Attending Staff

Surgery—Lawrence Ryan, M.D., F.A.C.S.; Steven E. Donlon, M.D., F.A.C.S.; John J. Sprafka, M.D.; John Zabokrtsky, M.D., F.A.C.S.

Medicine—John C. Stubbs, M.D.; Frank L. Foran, M.D.; John A. Jennings, M.D.; Fred J. Fara, M.D.

Obstetrics—Max A. Weisskopf, M.D.; John J. McGregor, M.D.; Perry J. Lusk, M.D.; Oscar G. Fischer, M.D.

Genito-Urinary Surgery—Otto J. Jirsa, M.D., F.A.C.S.; Harry J. Smejkal, M.D., F.A.C.S.

Pediatrics—Robert Hardie, M.D.; Frank Thometz, M.D.; Evelyn Ehrmann, M.D.

Diseases of the Eye—William F. Moncrieff, M.D.; Harry Thometz, M.D.; Georgiana Theobald, M.D.

Diseases of the Nose and Throat—Louis E. Gordon, M.D.; John A. Cavanaugh, M.D.; John Theobold, M.D.

Dermatology—Leonard Weber, M.D.

Orthopedic Surgery—Frank Trombly, M.D.

Pathologist—Fred B. Olentine, M.D.

Roentgenologist—S. L. Tichy, M.D.

MOUNT SINAI HOSPITAL

Attending Staff

Surgery—H. M. Richter, M.D.; V. L. Schrager, M.D.; I. M. Levin, M.D.; E. L. Bishkow, M.D.; E. L. Handelman, M.D.

Medicine—M. Lewison, M.D.; Geo. Rubin, M.D.; I. M. Trace, M.D.; E. B. Freilich, M.D.; E. B. Jacobs, M.D.; Jacob Meyer, M.D.; H. J. Isaacs, M.D.

Dental Staff—Isidore Rossyn, D.D.S., M.D.; Albert Parlin, D.D.S.

Obstetrics—Chas. Newberger, M.D.; W. H. Rubovits, M.D.; A. H. C. Goldfine, M.D.; A. Kanter, M.D.

Pediatrics—M. Arkin, M.D.; A. Levinson, M.D.; J. S. Cohn, M.D.

Neurology—G. B. Hassin, M.D.; A. S. Hershfield, M.D.

Genito-Urinary Surgery—G. Kolischer, M.D.; H. Katz, M.D.

Oto-Laryngology—J. Lifschutz, M.D.; N. Schoolman, M.D.; S. M. Morwitz, M.D.

Ophthalmology—M. H. Lebensohn, M.D.; Jas. Lebensohn, M.D.

Dermatology—M. L. Ravitch, M.D.; M. Dorne, M.D.

Orthopedic Surgery—Chas. M. Jacobs, M.D.; M. A. Bernstein, M.D.

Director of Laboratory and Department of Pathology—Benj. Gruskin, M.D.

Anaesthetist—H. Shacoff, M.D.

Director of X-Ray Laboratory—M. I. Kaplan, M.D.

THE COLLEGE OF MEDICINE
OF THE
UNIVERSITY OF ILLINOIS

GENERAL DESCRIPTION

BUILDINGS AND EQUIPMENT

The College Building, located in the city block bounded by Harrison, Congress, Honore, and Lincoln Streets, Chicago, consists of a five-story brick and stone structure two hundred feet long by one hundred ten feet wide, and a three-story brick annex. It contains four lecture rooms, an assembly hall seating seven hundred, a small recitation room, and the laboratories of chemistry, microscopic anatomy, physiology, pathology, bacteriology, pharmacology, and therapeutics, operative surgery, experimental medicine, and clinical diagnosis. The laboratories for gross anatomy are located in the Dental Building immediately adjoining the Medical Building.

The laboratories are equipped for routine instruction. The general equipment includes: refrigerating plant with cooling units in proximity to the several laboratories, each unit consisting of a number of individual compartments with separate control, providing for a range of temperature down to —5° C.; a Crowell blower, supplying compressed and rarefied air to the laboratories of physiology, chemistry, pathology, and pharmacology; a workshop equipped for the repair and construction of apparatus under the supervision of members of the teaching staff; rooms for the housing and care of experimental animals in charge of special caretakers.

CLINICAL FACILITIES

DISPENSARY

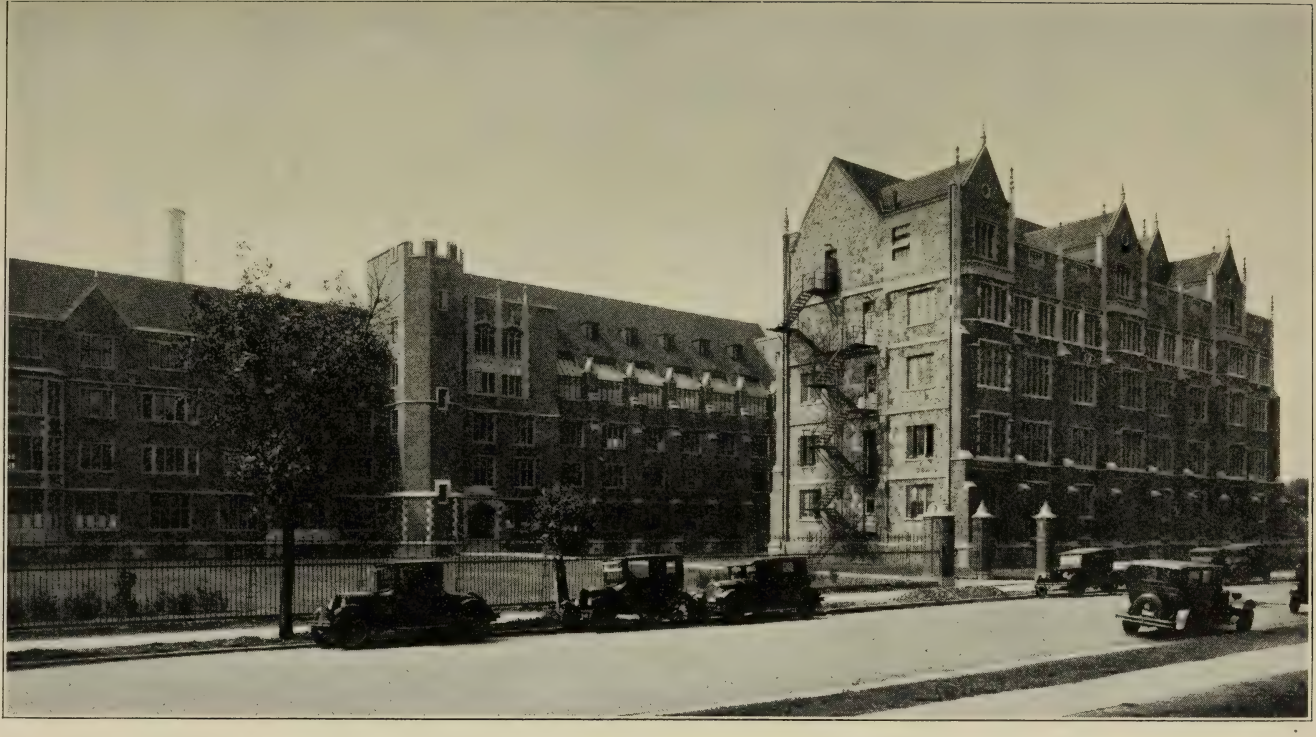
The Dispensary is divided into ten departments: medicine, surgery, pediatrics, orthopedics, laryngology, dermatology, ophthalmology, gynecology, neurology, and genito-urinary diseases. A total of 32,746 treatments were given in 1924-25; 9171 new patients were registered during the same period.

Opportunities are afforded the student to examine the cases personally under the guidance of instructors. As far as possible, the student is required to make laboratory examinations pertaining to his own cases. Such examinations as the Wassermann reaction are made by the instructors in the laboratory, but the student has an opportunity to follow these and to learn the technique involved.

CLINICS

In addition to those in the dispensary more than 600 clinics in various hospitals are open to students. The great majority of diseases seen in the temperate zone are demonstrated, and most of the operations of surgery are performed in these clinics.

Fourth-year students are required to examine and diagnose many cases, and under certain conditions may assist in operations.



RESEARCH BUILDING WITH EDUCATIONAL HOSPITAL IN BACKGROUND

Cook County Hospital is located within half a block of the College. This institution is the largest charity hospital in America. During the past year it has cared for 59,249 patients. In this hospital is conducted much of the clinical instruction of the College.

Medical appointments in this institution are made each year by the Civil Service Board. The internes, 64 in number, are selected each spring by competitive examination. Only graduates of medical colleges of Cook County are eligible for these examinations. The internes serve eighteen months.

The County Morgue is located in the hospital grounds, and daily post-mortems are held by the pathologists of the hospital.

The hospital tickets cost $5.00 each. They are for sale at the office of the Warden. They admit the holder to all clinics and autopsies and to all public operations and lectures.

University Hospital, at Congress and Lincoln streets, opposite the College, contains 104 beds. The directors of the hospital are members of the faculty of the College. Bedside instruction is given, under certain conditions, to small groups of students. No students, excepting those of the College, are admitted to clinical instruction in the hospital.

Clinical instruction to students in small groups, and bedside instruction to those serving as externes, may be given in the following hospitals:

Augustana Hospital, Lincoln and Cleveland avenues, contains 246 beds. Students receive bedside instruction during their service as externes and attend clinics in small groups. The service covers the entire field of surgery and medicine with the exception of contagious diseases.

Michael Reese Hospital, 29th and Ellis avenue, is composed of three separate buildings, the Hospital proper for adults, with 350 beds, the Sarah Morris Hospital for children, with 125 beds, and the Nelson Morris Institute for Medical Research.

St. Luke's Hospital, 1437 Michigan avenue, has 410 beds, of which 283 may be used for clinical purposes.

Illinois Eye and Ear Infirmary, Peoria and Adams streets, is devoted to the diseases of the eye and ear, including those of the nose and throat. It has accommodations for nearly 200 inpatients. The ambulatory service is the largest in the West of any similar institution. The Infirmary has far outgrown the present building. The number of treatments annually is over 30,000. The material of the Infirmary, representing the greatest variety of major and minor affections of the eye, ear, nose, and throat, is accessible for study to the students of the school.

St. Mary of Nazareth Hospital, 1120 N. Leavitt street, has 225 beds.

St. Joseph's Hospital, 2100 Burling street, capacity, 200 beds.

West Side Hospital, 1850 West Harrison street, Chicago, has a capacity of 164 beds, including 6 infant beds.

Grant Hospital of Chicago, 531-559 Grant place, has a capacity of 183 beds, including 45 infant cribs.

St. Elizabeth Hospital, 1443 N. Claremont avenue, has 200 beds, including 35 infant and 18 children's beds.

Chicago Policlinic Hospital, 219-221 Wy. Chicago avenue, Chicago, has a capacity of 120 beds, including 6 infant beds.

St. Anthony de Padua Hospital, 19th St. and Marshall Blvd., has 200 beds.

Mt. Sinai Hospital, 1519 S. California Av., has 104 beds.

In addition to the above, there are more than sixty public and private hospitals in Chicago, each of which appoints from two to four internes annually.

LIBRARY FACILITIES

The Quine library contains 30,779 bound volumes and a number of reprints, including the standard text-books, works of reference, monographs, and journal files in the fields of medicine, dentistry, and pharmacy. The pharmacy collection occupies part of the main floor of the School of Pharmacy. It contains 4681 volumes and 2600 pamphlets and ranks as one of the largest pharmaceutical libraries in the country. In addition to these two collections many of the departments of the three schools are supplied with working libraries.

MAIN BUILDING AS VIEWED FROM THE SOUTHEAST (RESEARCH AND EDUCATIONAL HOSPITALS)

THE NEW HOSPITAL, RESEARCH LABORATORY, AND LIBRARY FACILITIES

In association with the Department of Public Welfare of the State of Illinois, a group of Hospitals and Laboratories has recently been opened and the University has thereby been placed in a position to offer its faculty adequate facilities for teaching and investigation.

The buildings occupy a campus approximately eight acres in extent, located immediately adjacent to the Cook County Hospital. The units now in operation include the following:—Outpatient Dispensary, General Hospital, Research Laboratory and Library. The following divisions will shortly be opened:—Pediatric Ward, and the Orthopedic and the Psychiatric Divisions.

The Outpatient Dispensary. This occupies the main floor of the Hospital Building. It possesses large waiting rooms, adequate suites for all divisions of clinical work, a large amphitheatre, drug dispensary and preparation rooms (used in conjunction with the School of Pharmacy), electrocardiographic and hydrotherapeutic units are located in the basement of the building. In addition, the administrative and service offices are located on this floor.

The General Hospital. The University Hospital has been designed with great care not only to afford every comfort for the patient, but to facilitate the use of the clinical material for teaching and investigation. At the present time some 200 beds are occupied and the total of 450, contemplated for the Main building, will be available as soon as an adequate provision can be made to house the nurses and employees.

The *first* floor of the Hospital proper contains the Pediatric, the Obstetrical and the Roentgen Departments. The University has made every provision to develop both the diagnostic, as well as the therapeutic sides of Roentgenology, and in addition has provided equipment for the other branches of Physiotherapy. Undergraduate, as well as graduate, instruction will be offered in this Department beginning with the present year.

The *second* hospital floor in addition to wards contains the clinical laboratories, with divisions for bacteriology, serology, pathology, biochemistry and metabolism.

The *third* floor contains eight suites of operating rooms and the necessary service rooms. The surgery is most complete, with special operating rooms for head and genito-urinary work. Both wings provide beds now used for general purposes, later to be used largely for surgical cases.

The *fourth* and *fifth* floors contain living rooms for internes and residents, and the quarters for the managing officer of the institution.

The Research and Library Building. Joining the Hospital by corridors leading from the basement and the third floor the University has erected a laboratory building for the science group of the medical school.

The *Library*, with a beautiful reading room and large convenient stack rooms, occupies an entire wing of this building, as well as space in the basement. In addition, the basement houses the photographic division, and the plastic studio of the Anatomy Department. The Department of Pharmacology occupies the first floor, Department of Bacteriology and Pathology the second floor, and the third is used by the Department of Physiology and Physiological Chemistry. The Chemical Laboratory has special rooms for weighing, for titration, for fume work, as well as large general and individual laboratories.

The Anatomy Department with its division of illustration, occupies the fourth floor. The entire fifth floor is given over to the Animal Hospital, Animal Surgery and kennels for dogs and smaller animals. This floor is used jointly by workers from the various clinics and laboratories.

MAIN READING ROOM OF THE QUINE LIBRARY (RESEARCH AND LIBRARY BUILDING)

GENERAL INFORMATION

ENTRANCE REQUIREMENTS FOR 1925-26

All applications for admission must be made to the Secretary of the College in Chicago at the address of the College of Medicine. No application will be considered unless it is accompanied by complete credentials necessary to determine whether or not the student is eligible for admission. (See statement below with reference to pre-medical students at Urbana.)

For admission to the College of Medicine, candidates must present:

1. Four years' work in an accredited high school or the equivalent, comprising not fewer than 15 units in acceptable subjects, including prescribed subjects as follows:

English	3 units[1]
Algebra	1 unit
Plane geometry	1 unit
Latin, Greek, German, or French (both units in the same language)	2 units
History and civics	1 unit
Electives	7 units
Total	15 units

2. Two years' work in a recognized college or university, comprising not less than 60 semester hours, including prescribed subjects as follows:

Chemistry (including organic chemistry, 4 semester hours)	12 semester hours[2]
Physics (at least 2 hours of laboratory work)	8 semester hours
Biology (at least 4 hours of laboratory work, see note 1)	8 semester hours
English	6 semester hours
German, French, Spanish, or Italian (see note 2) See page 44 for language requirement after September, 1925	6 semester hours
Electives outside of the chemical, physical and biological sciences (see note 3)	6 semester hours
Free electives (see note 3)	14 semester hours
Total	60 semester hours

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[1] By a *unit* of high-school or academy work is meant a year's work in a single subject; it being understood that the school year shall not be less than 36 weeks in length, that classes shall recite 5 times a week, that the recitation period shall be not less than 40 minutes long, that in science subjects there shall be double periods twice a week, and that double time shall be given in subjects like drawing, manual training, and bookkeeping, in which little or no outside study is required. Since high-school students ordinarily take four subjects at a time throughout the four years of the high-school course, 15 units represent approximately four years of high-school work.

[2] By a *semester hour* of college credit is meant the work of a class meeting one hour once a week for a semester of 18 weeks. Sixty semester hours represent ordinarily two years of college work.

Note 1: Biology—Four of these 8 semester hours must consist of laboratory work. This requirement may be satisfied by a course of 8 semester hours in either general biology or zoology, or by courses of 4 semester hours each in zoology and botany, but not by botany alone.

Note 2: German, French, Spanish, or Italian—German or French is preferred. The student is strongly urged to secure a reading knowledge of one of these languages. This will ordinarily require at least two years' work in the high school followed by at least 6 hours' work in the same language in college, or two full years' work (in a class reciting at least 3 periods per week) in college if the language was not begun in the high school, or the equivalent.

Note 3: Electives—As desirable electives the following subjects are suggested: psychology; college algebra and trigonometry; additional English; economics, history, sociology, political science; logic; Latin, Greek; drawing. Among the free electives advanced chemistry, zoology, and botany may be offered.

Students registered in the medical curriculum—The seven-year medical curriculum offered by the University consists of two years of pre-medical work at Urbana, including the subject requirements stated above, two years of pre-clinical work in the College of Medicine in Chicago (for these four years a B.S. degree may be given), two years of clinical work in the College of Medicine at Chicago, and one year as an interne in a hospital approved by the University. The registration of students at Urbana who have completed the requirements of the first two years of the medical curriculum (the pre-medical work) and who have done in residence at the University at least two semesters of such curriculum is continued in the College of Medicine subject to the following conditions:

1. The student who wishes thus to continue his work in the University must signify his intention to the Registrar on a form provided by him not later than March 1 of the year in which he purposes to continue his work in the Chicago department.
2. The student must comply with the general regulations for registration in the University in the medical course. This includes the payment of fees in advance.
3. A student who is on probation in the University at the time of continuing his University registration in the Chicago departments will be continued on probation.

No conditions are permitted—The full requirements as listed above must be presented at the time of admission. No conditions are permitted.

New Requirements, September, 1926—For students entering in September, 1926 the pre-medical college requirement will be 60 semester hours exclusive of military, physical training and hygiene and the foreign language presented must be French or German.

HOW THE ENTRANCE REQUIREMENTS MAY BE MET

The high-school requirement may be satisfied either by certificate or by examination.

High-School Credits by Certificate

High-school credits will be accepted by certificate from the following sources:

1. From high schools and academies in the State of Illinois which are accredited to the University of Illinois.

2. From schools accredited by the North Central Association of Colleges and Secondary Schools.

3. From schools accredited to the state universities which are included in the membership of the North Central Association of Colleges and Secondary Schools, provided the Illinois standard time requirements are met.

4. From high schools and academies registered by the Regents of the University of the State of New York.

5. From schools approved by the New England College Entrance Certificate Board.

6. From schools accredited by the Southern Association of Colleges and Secondary Schools.

7. From the state normal schools of Illinois and other state normal schools having equal requirements for graduation.

High-School Credits by Examination

High-school credits may be made by examination:

1. In the examinations conducted by the Registrar of the University of Illinois at the University in Urbana in January, July, and September of each year.

2. In the examinations conducted by the Registrar of the University of Illinois, in Chicago, five times each year, about March 15, June 15, August 25, September 25, and December 15.

3. In the examinations conducted in June of each year by the College Entrance Examination Board.

4. In the examinations conducted by the Regents of the Universtiy of the State of New York.

COLLEGE CREDITS

College credits will be accepted *by certificate* from recognized colleges which require for admission the completion of at least 14 units of high-school work in an accredited high school or the full equivalent thereof, and for graduation, in addition, four years of college work; and also from recognized junior colleges and state normal schools.

A letter of honorable dismissal from the last collegiate institution attended is required.

NON-ILLINOIS STUDENTS

All applicants for admission to the College of Medicine, if not legal residents of Illinois, must present with their applications for admission, except as students in the Graduate School, satisfactory evidence that they maintained at the school or college from which they would enter the University of Illinois, a scholastic average at least ten points above the passing grade of such school or college. In case of records which are not kept in numerical grades but in literal or other systems of grading, this requirement will be interpreted to mean an average of one grade above the passing grade, e.g., in a system of A, B, C, and D, with D as the passing grade, the average must be C.

RECORD OF MEDICAL WORK

A letter of honorable dismissal and a transcript of the record are required in all cases where there has been attendance in a medical school.

ADVANCED STANDING

The University will accept scholarship and time credits for work done in medical colleges having standards equal to those of the College of Medicine, in so far as this work coincides with or is the full equivalent of the courses prescribed by the University.

The pre-medical work of the applicant must meet in full the admission requirements for the class which he desires to enter. This will be determined by the evaluation of his credits on the basis of transcripts obtained directly from the schools where they were earned.

The applicant must present a letter of honorable dismissal from, and be eligible for promotion in, the college in which he pursued his medical studies. His record must be of such character as to show a scholastic average at least ten percent above the passing grade of such college. In case of records which are not kept in numerical grades but in literal or other systems of grading, this requirement will be interpreted to mean an average of one grade above the passing grade, e.g., in a system of A, B, C, and D, with D as the passing grade, the average must be C.

Irregularities due to differences in the curriculum must be satisfactorily adjusted by the student during the first year of his attendance.

REGISTRATION

Students are required to register in the office of the secretary immediately upon the opening of the term for the work of that term, and credit will be allowed only in the branches in which they are registered. Students will be registered in the order in which their fees are paid. Owing to limited space the number of students in each class is restricted to one hundred twenty-five.

COLLEGIATE YEAR[1]

The collegiate year of 1925-26 consists of a session of thirty-four weeks, beginning October 5, 1925, and ending June 11, 1926. The year is divided into two semesters, of seventeen weeks each. Attendance upon the full session is required in order to secure credit for a year's work, and five years' attendance including a hospital course of not less than twelve months' duration is required for graduation.

FEES AND EXPENSES

		Illinois Students	*Non-Illinois Students*
First Year—	Tuition	$130.00	$165.00
	Laboratory	35.00	35.00
	Total	(165.00)	(200.00)
Second Year—	Tuition	130.00	165.00
	Laboratory	35.00	35.00
	Total	(165.00)	(200.00)
Third Year—	Tuition	160.00	195.00
	Laboratory	5.00	5.00
	Total	(165.00)	(200.00)
Fourth Year—	Tuition	165.00	200.00
	Total	(165.00)	(200.00)
	Grand Total	$660.00	$800.00

[1] The term "year" in this schedule of fees refers to a period of instruction covering two terms of seventeen weeks each or the equivalent thereof.

All students taking Gross Anatomy are required to make a deposit of $10.00 for the use of a disarticulated skeleton. This deposit is returned to the student at the end of the year upon the return of the material.

The Trustees reserve the right to change the fees at any time through publication in the annual announcement.

RESEARCH LABORATORY, LIBRARY AND PASSAGE WAY TO HOSPITAL

Students entering the University for the first time will be charged a matriculation fee of ten dollars, in addition to the above.

A late registration fee of one dollar will be charged to students who do not present themselves for the payment of fees on the dates designated in the College calendar.

ADDITIONAL FEES

Diploma, $10.00. Copy of original transcript of record, $1.00; for each carbon copy of same, fifty cents.[1]

Note.—County Hospital ticket, $5.00. Maternity Fee, Chicago Lying-In Hospital, $15.00.

All fees are payable in advance. The entire matriculation and laboratory fees are due and must be paid during the registration days of the first semester, together with one-half of the general fee. The remainder of the general fee is due and payable on the registration days of the second semester.

Exceptions to this rule will be made only with the approval of the proper administrative officer.

There are no fees for special courses or quizzes. No members of the instructional staff are allowed to accept special fees.

In case a student withdraws from the school within ten days after the beginning of the instruction the total amount of his fees except the matriculation fee will be refunded. After ten days and before the expiration of one month a refund of three-fourths of the tuition and laboratory fees will be made. After one month and before the expiration of two months a refund of one-half of these fees will be made. After two months and before the expiration of three months a refund of one-fourth of the fees will be made. After the expiration of three months no part of the fees paid will be refunded.

Alumni are admitted to all regular courses, without charges, except in laboratory work, in which a charge is made for material actually used.

Each student is required to provide himself with a compound microscope equipped to meet the requirements of the work of the curriculum.

Living Expenses

The expenses of living in Chicago are less than in most other large cities. From forty to fifty dollars per month may be regarded as adequate for the ordinary living expenses of a student exclusive of books, clothing, railroad fare, and miscellaneous needs.

The expense for books varies between $25.00 and $50.00 a year. The instructors at the beginning of each course direct their students in regard to the purchase of text-books.

SCHOLARSHIPS AND FELLOWSHIPS

REA SCHOLARSHIPS

Through the generosity of the late Professor R. L. Rea a fund has been provided for scholarships each year for worthy students. These scholarships are awarded annually by the officers of the Faculty.

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[1] Each student is entitled to one transcript of record, without a fee, but he must pay for extras in the way of carbon copies supplied with the original transcript or for second request for the original.

For the session of 1924-25, they were granted to the following students:

Earnest Eugene Jones	Horace Frederick Smith
Theodore B. Bernstein	Cecil F. Barber

OTHER UNDERGRADUATE SCHOLARSHIPS

(For circulars giving more detailed information concerning scholarships, apply to the Registrar of the University, Urbana.)

The following undergraduate scholarships relieve the holder of the payment of the matriculation and tuition fees:

County Scholarships—One for each county. The holder is selected by competitive examinations.

General Assembly Scholarships—One nomination annually by each member of the General Assembly. Under the law, nominations must be received by the President of the University not later than the first Monday in July of the year in which the scholarship is to become effective.

State Military Scholarships—For World War Veterans. Special provision passed by the General Assembly of 1919.

COURSES OFFERED

The student is offered his choice of the following courses:

1. A course of nine years—four in the College of Liberal Arts and Sciences at Urbana, leading to the degree of Bachelor of Arts, followed by five years in the College of Medicine in Chicago, leading to the degree of Doctor of Medicine. This course of study is recommended to young men who can afford the time for it, and who are of the average age of graduation from the public high schools.
2. An eight-year course—three years in the College of Liberal Arts and Sciences at Urbana, followed by five years in the College of Medicine in Chicago. Students taking this course are permitted, at the end of their first year in the College of Medicine, to transfer credits in the medical sciences to complete the requirements for graduation of the College of Liberal Arts and Sciences, and receive the degree of Bachelor of Arts. On the completion of five years in the College of Medicine they receive the degree of Doctor of Medicine.
3. A seven-year course—two years in a recognized college of liberal arts and sciences followed by five years in the College of Medicine. The work of the first two years must include certain prescribed subjects. On the satisfactory completion of the first two years in the College of Medicine, these students receive the degree of Bachelor of Science, and on the completion of the five years in the College of Medicine, they receive the degree of Doctor of Medicine. The two years of work in arts and sciences required for admission to the College of Medicine may be taken in the College of Liberal Arts and Sciences at Urbana.

THE COURSE IN THE COLLEGE OF MEDICINE

REQUIREMENTS FOR GRADUATION

A candidate for graduation from the College of Medicine of the University of Illinois must meet the following requirements:

1. He must have presented acceptable evidence of good moral character.

2. He must have paid all indebtedness to the college.

For the B.S. degree:

3. He must have secured grades of not less than C, or the equivalent, in subjects aggregating at least three-fourths of the collegiate work required for entrance, (whether taken at the University of Illinois or elsewhere) and also he must have maintained the same scholastic record in the work of the first two years of the Medical Curriculum.

4. He must have completed the prescribed curriculum of the College of Medicine comprising four years of thirty-four weeks each, securing grades of not less than C or the equivalent in subjects aggregating at least three-fourths of the work leading to that degree, (whether taken at the University of Illinois or elsewhere.) This provision applies to students entering the first year class October 5, 1925, and thereafter. In addition the student must have satisfactorily completed a hospital course of not less than twelve months duration in a hospital affiliated with or approved by the University of Illinois, or a year of research acceptable to the University.

Graduation With Honors

A student who complies with the requirements for graduation from the College of Medicine and who attains in all work done in courses offered in the college, and presented for the degree, the average grade specified below, may be recommended by the University Senate for the honors stated: For an average grade of not less than 4.35 Graduation with Honors; for an average grade of not less than 4.75 Graduation with High Honors. The honors conferred shall be noted upon the diploma and the commencement program.

The interpretation of this rule is carried out by the translation of the literal grade into figures as follows: A—5; B—4; C—3; D—2; E—1. The individual grades are multiplied by the respective number of semester hours which each represents and the total of these figures is divided by the number of semester hours in the curriculum for the B.S. degree and the first four years of the curriculum for the M.D. degree. The result is the student's average. If the average obtained is between 4.75 and 4.35, then the student is entitled to Graduation with Honors. If the average obtained is 4.75 or higher, then the student is entitled to Graduation with High Honors.

GENERAL PLAN OF INSTRUCTION

During the first two years the work is, in the main, confined to the sciences fundamental to the practice of medicine, and the time of the student is largely devoted to laboratory work; during the first year, this consists of work in anatomy, chemistry, embryology, histology, and physiology. During the second year the study of anatomy and physiology is continued and in addition the student takes up bacteriology, laboratory diagnosis, operative surgery, pathology, materia medica, pharmacology, therapeutics, and hygiene.

During the third and fourth years the time is largely devoted to the various clinical branches, emphasis being given to practical instruction in dispensary and hospital clinics.

The fifth year consists of a twelve months' interne service in a hospital affiliated with or approved by the University. Research work may be substituted for the hospital work of the fifth year.

Students are prohibited from doing work that interfers in *any way* with the fulfillment of the requirements of the curriculum. Unofficial clinical work may not be substituted for the official clinical requirements of the curriculum.

Electives

In the second semester of the second year, the student is required to elect six hours per week from the courses offered by the pre-clinical departments. If the student has a satisfactory scholarship record, and can satisfy the head of a respective department as to his ability to pursue a definite line of endeavor, he may be permitted to register in the graduate school for one unit of work.

In the third year, one hour of elective work per week is required if the regular curriculum is pursued. By a reduction in the required hours in certain of the prescribed subjects, ninety-six hours of elective work may be taken in each semester. This work may be either in pre-clinical or clinical subjects. A student may in this way emphasize his training in some particular subject or subjects. The elective may be counted for graduate credit provided the student registers in a department represented on the graduate faculty, and can satisfy the head of the respective department as to his ability to pursue the work he proposes to undertake.

In the fourth year, the student must elect four hours of work per week from the optional subjects and at least one hour of these electives must be selected from the optional subjects in surgery.

Examinations

General examinations are held in all subjects at the end of each term during the week set apart for this purpose.

Special examinations for the removal of failures are held during the week preceding the next collegiate year. These examinations may be had only upon the recommendation of the head of the department concerned and with the approval of the Dean. Evidence of actual additional work done in a subject must be presented before permission is granted for a special examination. Only one such examination in a given subject will be permitted. For all such examinations, a formal permit must be obtained and a fee of five dollars be paid in advance.

Special examinations may not be taken for the purpose of raising grades in courses in which a student already has credit.

Absences from examinations count as failures unless they occur for satisfactory reasons, in which case the student may be examined subsequently, provided permission for such examination be granted by the Dean.

GRADES

The system of grading is as follows: A, excellent; B, good; C, fair; D, poor (but passing); E, failure. A "failure" can be removed only by repetition of the course in an approved institution or by special examination, given by a committee from the department concerned.

PROMOTIONS

Failure to the extent of 100 hours may be carried from the first (Freshman) year into the second (Sophomore) year or from the second (Sophomore) year to the third (Junior) year. No failures of the third (Junior) year may be carried into the fourth (Senior) year. No failure may be carried from the fourth (Senior) year into the fifth (Interne) year.

When failures are made up in a course, the number of hours of such failures shall be deducted from the total number of hours of the regular work for the semester.

REFUSAL OF FURTHER REGISTRATION ON ACCOUNT OF POOR SCHOLARSHIP

A student, who, in any semester, receives failures in one-half the total number of hours in his course, shall be refused further registration in the College of Medicine.

REPORTS

Reports on scholarship and attendance are mailed to all students as soon as possible after the end of each term.

CHANGES IN CURRICULUM

The curriculum has been and is being further modified, with the following objects in view: (1) To enable students to meet the varying requirements of the curriculums established by the various state examining boards; (2) to afford the student an opportunity to participate to a great degree in his own training; (3) to enable students who contemplate a career in teaching or research to come more intimately in contact with research aims and methods. The changes that have been made in the curriculum of the first two years are indicated under electives. Further changes in the curriculum will be announced before the opening of the school year of 1925-26.

ADMISSION TO LICENSING EXAMINATIONS IN ENGLAND

On the recommendation of the Committee of Management of the Examining Board in England, the Royal College of Physicians and Surgeons has added the University of Illinois to the list of universities whose medical departments are recognized by that Board. By this action, graduates of this institution are exempted from all preliminary examinations and admitted to the final licensing examination of the Examining Board.

MEMORIAL LECTURESHIP

In commemoration of members of the Alumni, Faculty, and Student Body who lost their lives during the World War, the Alumni, Faculty, and Students have raised a fund sufficient to establish a Memorial Lectureship. It is proposed to have at least one lecture delivered annually by a prominent educator on a subject of general medical interest. Martin H. Fischer, M.D., Professor of Physiology and Head of the Department in the College of Medicine of the University of Cincinnatti, delivered an address on "Modern Trends in Medicine" at the annual meeting of the Alumni Association, Friday evening, June 12, 1925.

ADOLPH GEHRMANN LECTURESHIP

In accordance with the will of Mrs. Albertina Gehrmann, widow of the late Adolph Gehrmann, for many years Professor of Bacteriology and Hygiene in the College of Medicine, the sum of $10,000 was given for the establishment and support of a Lectureship in the College of Medicine of the University of Illinois, in memory of Dr. Gehrmann.

CORRESPONDENCE

Address all correspondence to

The Secretary of the College of Medicine

University of Illinois

Congress and Honore Streets

Chicago

DESCRIPTION OF COURSES IN MEDICINE[1]

ANATOMY, HISTOLOGY, EMBRYOLOGY

Albert Chauncey Eycleshymer, Ph.D., M.D., *Professor and Head of the Department*
Victor Emanuel Emmel, M.S., Ph.D., *Professor*
Roy Lee Moodie, Ph.D., *Associate Professor*
Otto Frederick Kampmeier, Ph.D., M.D., *Associate Professor*
Arthur Reuben Cooper, Ph.D., M.D., *Assistant Professor*
Dennis Rider Wood Crile, B.S., M.D., *Instructor*
Thomas Smith Jones, B.F.A., *Artist and Instructor*
Michael Henry Streicher, B.S., M.S., M.D., *Instructor in Anatomy*
Adeline Rawson White, B.L., M.D., *Assistant*
Yngve Joranson, A.B., B.S., M.D., *Assistant*
John W. Brennan, M.D., *Assistant*
Bess Lucile Lloyd, M.S., *Instructor*
Samuel J. Burrows, M.D., *Assistant*
Mary Louise Dixon, A.B., *Artist*
Fred Rush Thompson, B.S., M.D., *Assistant*
Herman J. Pilka, B.S., M.D., *Assistant*
Samuel I. Kaufman, M.D., *Assistant*
Stanley J. Imbiorski, B.S., M.D., *Assistant*
Manfred U. Prescott, B.S., M.D., *Assistant*
Harold D. Clayberg, B.S., M.S., Ph.D., *Assistant*
Howard Goodsmith, B.S., M.D., *Assistant*
Louis N. Boelio, *Technician*
George Miller, *Technician*
Beulah Marks, *Technician*
Adolph Hammer, *Director of Plastic Studio*

General Statement

The laboratories for gross anatomy comprise two dissecting rooms and a number of smaller rooms for embalming, storing, and prosecting. A plastic studio is situated adjacent to the dissecting room and is available for anatomical reconstruction work and the use of models for teaching purposes. The laboratories for histology and embryology are situated on the third and fourth floors of the Medical Building.

The offices and research laboratories are located on the fourth floor of the Research Building. The equipment includes apparatus for embalming, sectioning, macerating, corroding, and digesting; microtomes, microscopes, paraffin ovens, drawing apparatus, chemicals, glassware, and Grübler stains. A small museum contains special dissections, osteological preparations, and models; sets of histological, neurological, and embryological slides; charts, lantern slides, and other teaching accessories. The departmental library contains the standard texts and about two thousand five hundred special monographs. All the English, German, and French anatomical journals are received. The Crerar Library is readily accessible and makes it possible to consult practically the whole literature of anatomy, biology, and zoology.

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[1] The Arabic numerals preceding the captions indicate the number of the courses. Courses numbered with the letter X following the numeral, are optional subjects in which 1 hour of work per week per semester is required in the third year and 3 hours in the fourth year. Unless otherwise specifically stated, the Arabic numerals following the descriptions of courses indicate the number of one-hour periods. The Roman numerals *I* and *II* indicate the number of semesters over which the course extends.

REQUIRED COURSES—FIRST YEAR

22. **Embryology.**—Ovogenesis and spermatogenesis, maturation, ovulation and its relation to menstruation, fertilization, segmentation, gastrulation, formation, and significance of germinal layers; formation of foetal envelopes and placenta; organs, and systems of organs; congenital malformations. Lectures and recitations; 1: laboratory; 2 two-hour periods. *I* (*first half*). Professor EYCLESHYMER, Associate Professor KAMPMEIER

23. **Cytology, Histology, and Microscopic Anatomy.**—Animal cells; modified cells in blood and lymph, epithelial, connective, muscular, and nervous tissues, and their relationships in the body. Lectures and recitations; 3: laboratory; 3 three-hour periods. *I.* Professor EYCLESHYMER

26. **Neurology.**—The gross and microscopic anatomy of the brain, spinal cord, and organs of special sense. Lectures and recitations; 1: laboratory; 2 two-hour periods. *I* (*second half*). Professor EYCLESHYMER, Associate Professor KAMPMEIER

27-28. **Regional and Systematic Anatomy.**—Complete dissection of the human body: (1) Superior and inferior extremities, (2) thorax and abdomen, (3) the head and neck. Anatomical structure, functional significance, regional relationship of surgical and clinical importance, and structural variation of the component organs and systems. Lectures and recitations; 1: laboratory; 2 four-hour periods. *II.*
Professor EMMEL, instructors, and assistants

REQUIRED COURSES—SECOND YEAR

31. **Topographical Anatomy.**—Topography and relations of the various regions, systems, and organs of the body. Lectures and recitations; 2: laboratory; 2 three-hour periods. *I.* Associate Professor KAMPMEIER and assistants

Applied and Surgical Anatomy.—(See department of surgery.)

OPTIONAL COURSES

50. **Microscopical Technic.**—Preparation of objects; injecting blood vessels and lymphatics; maceration, digestion, and corrosion; decalcification, fixation of tissues, embedding, sectioning, staining, and mounting. Mr. BOELIO

53. **Medical Illustrating.**—Drawing, including perspective; values and their adaptation to the representation of medical subjects; normal and pathological specimens, both gross and microscopic; media adopted for representing certain conditions and structures, and for special methods of reproduction, such as line work, half tone, and lithography. Mr. JONES

56. **Embryology and Histogenesis.**—The structural changes in the principal tissues and their cellular elements during growth; changes in the structure of cells during senescence. Professor EYCLESHYMER

59. Haematology.—An intensive study of the blood and blood-forming organs in relation to cytological structure, histogenesis, functional correlations, and current haematological problems. Professor EMMEL

COURSES PREPARATORY TO SPECIALIZATION

(Special Fee)

62. a. The Eye.

b. The Ear.

c. Mouth, Nose, and Throat.

d. The Thorax and Abdomen.

e. The Genito-Urinary System.

f. Pelvic Anatomy.

g. The Extremities, especially the joints and their mechanism.

h. The Brain and Spinal Cord.

Research.—Physicians who desire to do research and students who have had three years of university training are invited to begin research work in this department. A reading knowledge of French and German is essential.

65-66. Seminar.—Critical reviews of recent anatomical literature; preparation of bibliographies and of scientific papers for publication. Presentation and discussion of the results of investigations.

COURSES FOR GRADUATES

101. Histogenesis.—The structural changes in tissues and their elements, which are directly correlated with normal processes, such as growth, activity, rest, fatigue, senility. *One or two units.*

Professor EYCLESHYMER, Professor EMMEL, Associate Professor MOODIE, Associate Professor KAMPMEIER

103. Individual Research in Embryology and Histogenesis.—*One or two units.*

Professor EYCLESHYMER, Professor EMMEL, Associate Professor MOODIE, Associate Professor KAMPMEIER

DERMATOLOGY

FRANCIS EUGENE SENEAR, B.S., M.D., *Professor and Head of the Department*
HARRY W. FINK, B.S., M.D., *Instructor*
MAX S. WIEN, B.S., M.D., *Instructor*
LEONARD F. WEBER, M.D., *Instructor*
BARNEY USHER, A.B., M.D., *Instructor*
HENRY DAVID COHEN, B.S., M.D., *Assistant*

REQUIRED COURSES—FOURTH YEAR

1. Practice.—Lectures, 1. *I.* Professor SENEAR

5. Clinic.—1. *II.* Professor SENEAR

9-10. Clinic.—College Dispensary. In sections. 3 one-hour periods (*three weeks*). *II.* Professor SENEAR, Dr. FINK, Dr. WIEN, Dr. WEBER, Dr. COHEN

HYGIENE, SOCIAL HYGIENE, CRIMINOLOGY, AND MEDICAL JURISPRUDENCE

Herman Morris Adler, A.M., M.D., *Professor of Criminology and Head of the Department*
Elmer DeWitt Brothers, M.S., LL.B., *Lecturer in Medical Jurisprudence*
Matthew Mills, LL.B., *Alternate Lecturer in Medical Jurisprudence*
David M. Levy, A.B., M.D., *Instructor*
Henry C. Becker, M.D.V., *Assistant*

Required Course—Third Year

6. **Medical Jurisprudence.**—The principles of law governing individual and professional rights and obligations; responsibilities arising from the relation of physician and patients; confidential character and inviolability of such relation; medical laws of various states. Lectures, 1. *I.* Mr. Brothers

Required Course—Fourth Year

4. **Public Health.**—Organization of health departments and the work of the divisions of the same; vital statistics, inspection of schools and factories; sanitation; food supply and control; public welfare. Lectures and practical work. 3½ hours per week. *II.* Dr. Becker

LARYNGOLOGY, RHINOLOGY, AND OTOLOGY

Norval Harvey Pierce, M.D., *Professor and Head of the Department*
Joseph Clar Beck, M.D., *Associate Professor*
Walter Henry Theobald, B.S., M.D., *Associate*
Jacques Holinger, M.D., *Associate*
Charles Francis Yerger, Ph.G., M.D., *Associate*
Francis Loeffler Lederer, B.S., M.D., *Instructor*
Jesse Henry Roth, M.S., M.D., *Assistant*
John Joseph Theobald, B.S., M.D., *Assistant*

General Statement

The fundamentals of diseases of the nose, throat, and ear based on anatomy, physiology, and pathology of these organs, and the clinical manifestations of their more common diseases furnish the basis of the work in this department. Stress will be laid on the relationship of these special organs to the body as a whole in health and disease. Teaching will be facilitated by laboratory studies of Bezold's large models of the ear, macerated specimens of the nose, throat, and ear, by lantern slides and stereoptic demonstrations, and by actual examination of individuals in the out-patient department and in the hospital.

Required Courses—Third Year

3. **Practice.**—The surgical anatomy, physiology, and pathology of the ear, nose, and throat. 1. *I.* Professor Pierce and Associate Professor Beck

7. **Clinic.**—Illinois Eye and Ear Infirmary. Diseases of the ear, nose, and throat. In sections. 1. *I* (*eight weeks*). Professor Pierce

11. Practice.—The diseases of the throat and nose. 1 (*ten weeks*). *I.*
Professor Pierce

14-15. Clinic.—College Dispensary. In sections. 3 (*three weeks*). *II.*
Professor Pierce, Dr. Theobald, Dr. Yerger, Dr. Lederer, Dr. Roth

MEDICINE

Charles Spencer Williamson, M.S., M.D., *Professor and Head of the Department*

DIVISION OF INTERNAL MEDICINE

Charles Spencer Williamson, M.S., M.D., *Professor*
Frederick Tice, M.D., *Professor*
Maurice Louis Goodkind, M.D., *Professor*
Joseph McIntyre Patton, M.D., *Professor*
Frank Smithies, M.D., *Professor*
Edward Louis Heintz, Ph.G., M.D., LL.D., *Associate Professor*
Maurice Lewison, M.D., *Assoicate Professor*
John Weatherson, C.E., M.D., *Associate Professor*
Sidney Strauss, A.B., M.D., *Associate Professor*
Ernest Sisson Moore, Ph.B., M.D., *Associate Professor*
Frank Chauvet, M.D., *Associate Professor*
William Joseph Quigley, B.S., M.D., *Assistant Professor*
Anders Frick, M.S., M.D., *Assistant Professor.*
John Mathew Krasa, M.D., *Associate*
Franklin S. Wilson, Ph.G., M.D., *Associate*
Clarence J. McMullen, M.D., *Associate*
Samuel Perlstein, M.D., *Associate*
Lloyd La Verne Ely, M.D., *Instructor*
Frank Max Wittelle, B.S., M.D., *Instructor*
Leo Louis Hardt, M.S., M.D., *Instructor*
Alvah Lewis Sawyer, B.S., M.D., *Instructor*
Albert VanderKloot, M.D., *Instructor*
John Baptist Cipriani, M.D., *Instructor*
Duane Willard Propst, A.B., B.S., M.D., *Instructor*
Jacob Meyer, M.S., M.D., *Instructor*
Edmund F. Foley, B.S., M.D., *Instructor*
I. A. Rabens, M.S., M.D., *Assistant*
Harold Norris Ets, B.S., *Assistant*
Deane Francis Brooke, M.D., *Assistant*
Joseph Greengard, B.S., *Assistant*
Ellis B. Freilich, M.D., *Assistant*
Theodore Ross Van Pelt, B.S., M.D., *Assistant*
Charles Edwin Blomgren, B.S., M.D., *Assistant*
Jacob Morton Mora, B.S., M.D., *Assistant*
Ben Jack Malnekoff, M.D., *Assistant*

General Statement

The work in this department begins in the second year and extends through the third and fourth years. In the second year the student begins his work in internal medicine with the study of physical diagnosis on the normal subject. This is followed by the study of pathological cases. The class is divided into small groups, so that the instruction is individual.

Coincident with the above work, the student takes up the study of laboratory diagnosis. A course in this subject lays the foundation for the practical clinical work in the dispensary, which begins in the third year and is carried through the fourth year.

In the third year instruction is carried on partly by means of conferences and recitations and partly by clinics. This division of work enables the student not only to obtain systematic instruction in the fundamentals of internal medicine but also to see clinical cases presented, bearing directly on this systematic instruction. At the same time he has opportunity to come into intimate contact with patients and to examine them in the dispensary under supervision. Stress is laid upon the student's personal examination and treatment of the cases.

In the fourth year instruction is carried on partly by means of conferences with group quizzes on the topics covered. This is a continuation of the work in the third year. A large part of the work, however, is clinical and is given not only in the College but in the Cook County, University, St. Luke's, and Augustana Hospitals. In addition, practical work is given in the dispensary in the various medical specialties. Special emphasis is laid upon the clinical work in small groups.

A Cardiac clinic has been established for several years and treats annually a large number of cases. It operates under Professor Strauss in conjunction with other cardiac clinics in the City as a member of the Association for the Prevention and Treatment of Heart Diseases.

Required Course—Second Year

2a-2b. Physical Diagnosis.—(a) Lectures, 1. *I.* (b) Practical drill on normal subjects; given to small sections of the class. 1 two-hour period. *I.*

Associate Professor Lewison, Associate Professor Chauvet

Required Courses—Third Year

27-28. Clinic.—Dispensary. Practical work on out-patients. Practically every variety of disease of an ambulatory nature common to the temperate zone may be seen here. In sections. 3 two-hour periods (*three weeks*). *II.*

Associate Professor Moore, Dr. Wilson, Dr. Meyer, Dr. Wittelle, Dr. Foley, Dr. Van Pelt, Dr. Perlstein, Dr. Rabens

9. Practice.—General survey of the important diseases as a working basis preparatory for the clinical courses. Conferences and recitations. 4. *II.*

Associate Professor Heintz, Dr. Krasa, Dr. Cipriani, Dr. Sawyer, Dr. Vander-Kloot, Dr. Propst

13. Clinic.—University Hospital Amphitheater. Selected topics. 1 two-hour period. *I.* Associate Professor Heintz

15. Clinic.—Cook County Hospital Amphitheater. Selected topics. 1 two-hour period. *I.* Assistant Professor Quigley

17. Clinic.—Cook County Hospital Amphitheater. Selected topics. 1 two-hour period. *I.* Associate Professor Weatherson

19. Clinic.—Cook County Hospital Amphitheater. Selected topics. 1 one-hour period. *I.* Associate Professor WEATHERSON

23. Physical Diagnosis Clinic.—Cook County Hospital, tuberculosis wards. To small groups. 1. *I.* Associate Professor LEWISON, Associate Professor CHAUVET

REQUIRED COURSES—FOURTH YEAR

31-32. Practice.—Continuation of course of study of previous year; subject elaborated and amplified in conjunction with the clinical work. Lectures illustrated by pathological specimens, charts, and lantern slides; conferences. 4, *I;* 2, *I.*
Lectures, Professor WILLIAMSON, Professor TICE

35. Clinic.—Cook County Hospital Amphitheater. Selected topics. 1 two-hour period. *I.* Professor WILLIAMSON

37. Clinic.—Cook County Hospital Amphitheater. Selected topics. 1 two-hour period. *I.* Professor TICE

39. Clinic.—Cook County Hospital Amphitheater. Selected topics. 1 two-hour period. *I.* Associate Professor STRAUSS

41. Clinic.—St. Luke's Hospital. 1 two-hour period. *I.* Professor ELLIOTT

47. Clinic.—Michael Reese Hospital. 1 one-hour period. *I.* Professor GOODKIND

OPTIONAL COURSES—THIRD YEAR

1-X. Tuberculosis. Associate Professor LEWISON

2-X. Diseases of the Gastro-Intestinal Tract. Dr. JACOB MEYER

3-X. Principles of Medicine.—Review Course. Dr. GREENGARD

OPTIONAL COURSES—FOURTH YEAR

4-X. Diseases of the Heart with special reference to the graphic method.
Associate Professor STRAUSS

5-X. History of Medicine. Dr. CIGRAND

6-X. Principles of Medicine.—Review Course.

7-X. Diseases of the Stomach with Lantern Slide Demonstration.
Dr. HARDT

8-X. Practical Therapeutics of the Chest. Professor PATTON

9-X. Diseases of the Alimentary Tract. Professor SMITHIES

10-X. Diseases of the Blood. (Limited to 15 Students.)
Associate Professor MOORE

11-X. Some Practical Aspects of Dietetics. Professor WILLIAMSON

DIVISION OF PEDIATRICS

JULIUS HAYES HESS, M.D., *Professor and Head of the Division*
HENRY EUGENE IRISH, M.D., *Associate Professor*

Maurice Lamm Blatt, M.D., *Associate Professor*
Lester Edward Bower, A.B., M.D., *Assistant Professor*
Solomon Maxwell Goldberger, M.D., *Associate*
Isador Michael Levin, A.S., B.S., M.D., *Associate*
Joseph K. Calvin, B.S., M.D., *Associate*
Maxwell P. Borovsky, B.S., M.D., *Instructor*
Robert Ludwick Furby, M.D., *Instructor*
Israel Lytton Sherry, B.S., M.D., *Instructor*
Max E. Engerman, B.S., M.D., *Assistant*
Louis J. Wisch, M.D., *Assistant*
Guy Leon Wagoner, B.S., M.D., *Assistant*
Carl Cohen, B.S., M.D., *Assistant*
Iris McKy Chamberlain, M.D., *Assistant*
Benjamin M. Levin, B.S., M.D., *Assistant*
Lawrence J. Wilhelmi, B.S., M.D., *Assistant*

General Statement

The work in pediatrics is given in the third and fourth years. So far as possible the course is one of individual instruction, the class being divided into small groups for clinical work.

Required Courses—Third Year

1. **Practice and Clinic.**—Nutrition and nutritional disturbances in infancy. Lectures; clinical conferences. 1. *I.* Professor Hess

4. **Practice.**—Recitations. 1. *I.* Associate Professor Irish and assistants

7. **Clinic.**—Cook County Hospital. Physical diagnosis and demonstration of cases. In groups. 2 (*four weeks*). *I.* Associate Professor Irish

9. **Clinic.**—Cook County Hospital. Contagious diseases. In groups. 2 (*four weeks*). *I.* Assistant Professor Bower

Required Courses—Fourth Year

11. **Clinic.**—Cook County Hospital. Contagious diseases. In groups. 2 (*four weeks*). *I.* Assistant Professor Bower

15-16. **Clinic.**—Dispensary. In sections. 5 two-hour periods (*four weeks*). *II.* Dispensary Staff

19. **Clinic.**—Cook County Hospital. In groups. 1 two-hour period. *I.* Professor Hess

21. **Clinic.**—Cook County Hospital. In groups. 1 two-hour period (*four weeks*). *I.* Associate Professor Blatt

23. **Clinic.**—Michael Reese Hospital. In groups. 1 one-hour period (*eight weeks*). *I.* Professor Hess

DIVISIONS OF NEUROLOGY AND PSYCHIATRY

H. Douglas Singer, M.D., *Professor of Psychiatry and Head of the Divisions*
George Boris Hassin, M.D., *Associate Professor of Neurology*

Haim I. Davis, M.D., *Associate Professor of Psychiatry*
Charles F. Read, B.S., M.D., *Assistant Professor of Psychiatry*
Isadore B. Diamond, M.D., *Assistant Professor of Neurology*
David Mortimer Olkon, A.M., M.D., *Assistant Professor of Neurology*
Harold Stacy Hulbert, M.D., *Associate in Neurology*

3-4. Practice and Clinic.—Dispensary and Cook County Hospital. Lectures, demonstrations, examinations, and diagnosis. In sections. 6 two-hour periods (*seven and one-half weeks*). *I.* 1 two-hour period. *I.*

Professor Singer, Associate Professor Hassin, Assistant Professor Read, Assistant Professor Truitt, Assistant Professor Diamond, Dr. Hulbert

DIVISION OF ROENTGENOLOGY

Adolph Hartung, M.D., *Professor*
Albert Bachem, Ph.D., *Professor of Bio-Physics and Director of Laboratory*
Joseph J. Litschgi, M.D., *Instructor*
Emelie J. Giryotas, *Technician*

Required Course—Fourth Year

4. Practice and Demonstration.—College. The use of the X-ray in medicine and surgery. 4 one-hour periods. *I.* Professor Hartung

DIVISION OF HISTORY OF MEDICINE

Bernard John Cigrand, M.S., D.D.S., *Lecturer*

Optional Course—Fourth Year

51. Lectures.—1. *I.*

OBSTETRICS AND GYNECOLOGY

Charles Sumner Bacon, Ph.B., M.D., D.Sc., *Professor and Head of the Department*

DIVISION OF OBSTETRICS

Charles Sumner Bacon, Ph.B., M.D., D.Sc., *Professor*
Henry Foster Lewis, A.B., M.D., *Professor*
Rachelle S. Yarros, M.D., *Associate Professor*
Otto Herman Rohrlack, Ph.G., M.D., *Associate Professor*
Walter Charles Hammond, M.D., *Assistant Professor*
Hans Nachtigall, M.D., *Associate*
Eugene Cary, B.S., M.D., *Associate*
Charles Newberger, M.D., *Associate*
Pearl May Stetler, A.B., M.D., *Instructor*
Edgar Theron Blair, B.S., M.D., *Instructor*
Marshall Daniel Hayes, B.S., M.D., *Instructor*
James Edward Fitzgerald, B.S., M.D., *Instructor*
James Tobias Groot, B.S., M.D., *Instructor*
Samuel Glenwood Plice, B.S., M.D., *Assistant*
Charles Owen Hershey, M.D., *Assistant*

General Statement

Instruction is given in both the third and fourth years. The equipment consists of manikins, demonstration pelves, malformed pelves, and other pathological specimens, charts, obstetrical instruments, and prepared fetuses.

The clinical work is given in the Research and Educational Hospital, St. Luke's Hospital, Grant Hospital, Mt. Sinai Hospital, the Chicago Lying-in Hospital and Dispensary, and the Cook County Hospital. Bedside and dispensary clinics, in which students examine and study the patients, are given to small groups. An amphitheatre clinic is given to the fourth-year class.

All fourth-year students are required to take a course of two weeks in residence in the Chicago Lying-in Hospital and Dispensary. The Dispensary, located in the heart of a densely populated part of the city, cares for poor women during their confinement at their homes. The fee for the course is $15.00, payable in advance at the Dispensary.

Required Courses—Third Year

5-6. Physiology of Pregnancy, Labor, the Puerperium, and the New Born Infant.—Lectures and recitations. 3.

Associate Professor Yarros, Assistant Professor Hammond, Dr. Stetler, Dr. Blair, Dr. Plice

9. Clinic.—Dispensary. 3 two-hour periods (*four weeks*).
Professor Bacon, Dr. Stetler, Dr. Groot

12. Clinic.—Research and Educational Hospital. The class is divided into groups of four. Attendance upon all labors occurring during the week. Dr. Groot

Required Courses—Fourth Year

15-16. Pathology of Pregnancy, Labor, and the Puerperium.—Lectures and recitations. 3. *I*.

Professor Bacon, Associate Professor Rohrlack, Dr. Cary, Dr. Newberger, Dr. Fitzgerald, Dr. Hershey

(a) Laboratory work in pathological anatomy and histology. To small groups. 1 two-hour (*eight weeks*). Dr. Nachtigall

(b) Manikin work. To small groups. 1 two-hour period (*eight weeks*).
Dr. Blair, Dr. Hammond

19. Clinic.—Cook County Hospital, St. Luke's Hospital, Mt. Sinai Hospital. To small groups (*four weeks*). Professor Lewis, Dr. Cary, Dr. Newberger

22. Clinic.—Research and Educational Hospital. Demonstrations and operations. 1. *I*. Professor Bacon

25. Clinic.—Research and Educational Hospital. To small groups (*two weeks*). 4 two-hour periods a week. Beside study of puerperae and abnormal gravidae.

26. Clinic.—Chicago Lying-in Hospital and Dispensary. Residence, two weeks; at least six cases.

Optional Course—Third Year

1-X. Review Course in Obstetrics.—1. *I*. Dr. Fitzgerald

Optional Course—Fourth Year

1-X. Review Course in Obstetrics.—1. *I.* Dr. Fitzgerald

DIVISIONS OF GYNECOLOGY

Channing W. Barrett, M.D., *Professor and Head of the Division*
John Michael Lang, M.D., *Assistant Professor*
Egan Walter Fischmann, M.D., *Assistant Professor*
Frank Lee Stone, M.D., *Associate*
Leo Anthony Juhnke, M.D., *Instructor*
Goldye Hoffman, M.D., *Instructor*
Abraham Fae Lash, B.S., M.D., *Instructor*
Julius Ernest Fleischner, B.S., M.D., *Assistant*

General Statement

The subject of Gynecology is presented in the fourth year in the form of didactic teaching, recitations, quizzes, clinics, conferences, and laboratory and class room study of pathology of the pelvic organs.

Required Courses—Fourth Year

3. Practice.—Lectures, recitations, lantern slide demonstrations, exhibition of fresh and preserved pathological tissue, and illustrations by means of charts and models. 1. *II.*
Professor Barrett, Assistant Professor Fischmann, Dr. Stone

7. Clinic.—Cook County Hospital. 1 two-hour period. *I.* Professor Barrett

15-16. Clinics.—Dispensary. Students in small groups have opportunity to study cases in detail. Students are required to make examinations, study cases, and write reports. In as far as the students' time permits, the dispensary cases will be followed through the operative course. In sections. 3 two-hour periods (*three weeks*). *II.*
Assistant Professor Lang, Assistant Professor Fischmann, Dr. Stone, Dr. Juhnke, Dr. Hoffman, Dr. Lash, Dr. Fleischner

Optional Course—Fourth Year

1-X. Course on Pelvic Histology and Microscopic Pathology. Dr. Stone

OPHTHALMOLOGY

Edward Vail Lapham Brown, B.S., M.D., *Professor and Head of the Department*
Francis Lane, A.B., M.D., *Professor*
Harry S. Gradle, A.B., M.D., *Assistant Professor*
Hallard Beard, B.S., M.D., *Instructor*
William Franklin Moncreiff, M.S., M.D., *Instructor*
Louis Bothman, B.S., M.D., *Assistant*
Beulah Cushman, B.S., M.D., *Assistant*

Required Courses—Fourth Year

1. Clinic and Practice.—Dispensary, clinic, and laboratory course. This includes 8 to 10 hours on the normal and pathological anatomy of the eye, 8 to 12 hours practice in the use of ophthalmoscope, perimeter, focal light, and test charts. The balance of the 32 hours are spent in the study of those eye diseases which the general practitioner most frequently encounters. The student is especially trained in the taking of histories of eye patients.

Professor Brown, Dr. Beard, Dr. Moncrieff, Dr. Bothman, Dr. Cushman

2. **Didactic Ophthalmology.**—Stereopticon demonstrations and quizzes. 2 one-hour periods (*four weeks*). Assistant Professor Gradle and Dr. Cushman

3. **Ophthalmoscopy.**—2 one-hour periods (*four weeks*).
Assistant Professor Gradle and Dr. Cushman

4. **External Diseases and Ophthalmoscopy.**—1 two-hour period (*four weeks*).
Professor Lane

Optional Course—Fifth Year

4-X. Ophthalmology.

1. Methods of Clinical Examinations (9-12 a. m. daily), 12 months.
2. Methods of Laboratory Examination (2-5 p. m. daily), 8 months.
3. Surgical work in the hospital (12-1 p. m. daily), 12 months.
4. Study of classical monographs and preparation of 25 case-histories for "The National Board of Ophthalmic Examinations" (2-5 p. m. daily), 4 months.

Physicians' Extension Courses in Ophthalmology

6. **Clinical Course.**—Designed for those who wish to take up ophthalmology as a specialty. The course affords individual training in standardized methods. The work is of a practical case-study nature.

A given method or process, such as retinoscopy or perimetry, is first explained and demonstrated. The physician is then assigned a case in which the data have been previously determined by the instructor. The physician makes an independent study and reports his findings to the instructor for criticism and grading. The process is continued until a reasonable degree of accuracy has been attained. Only one process is studied at a time. Processes taught are: I. Determination of Central Visual Acuity, Neutralization of Lenses, Retinoscopy, Refraction (with Cycloplegia and without), Tonometry, Determination of Degrees of Strabismus or Paralysis, Types of Discs (Elschnig's Classification). II. Measurement of Disc Levels, Perimetry, Objective Findings in External and Fundus Disease, Case-History Writing and Diagnosis, Prognosis, and Treatment of a given case as a whole. This course extends over one year. The first four months' work covers the first seven processes, the second four months covers the next four, and the third four months completes the course. Pathology is taken with undergraduate students. In the third period classical monographs are abstracted. Hours: 9 to 12 a. m., 6 days per week. The Staff

The fee for each period of four months is $50.00.

2. **Pathology of the Eye.**—Four months. Hours to be arranged. *I.*
Professor Brown, Professor Lane

PATHOLOGY AND BACTERIOLOGY

David John Davis, Ph.D., M.D., *Professor and Head of the Department*
William F. Petersen, A.B., M.D., *Professor*

Richard Herman Jaffe, M.D., *Associate*
Isador Pilot, B.S., M.D., *Associate*
Julius Brams, B.S., M.D., *Instructor*
Ben Zion Rappaport, B.S., M.D., *Instructor*
Max Pinner, M.D., *Instructor*
Joseph Lepak, *Technician in chief*
Stanley Moore, *Technician*
Hilda Paulsen, *Technician*
Valborg Voss, *Technician*

Required Courses—Second Year

11. General Bacteriology and Protozoology.—Pathogenic bacteria and protozoa. Immunity. Lectures, demonstrations; 3: laboratory; 2 three-hour periods. *I.*
Professor Davis, Dr. Pilot, and assistants

18. General Pathology and Pathological Histology.—General pathology; gross and microscopic study of fresh and preserved pathological material. Lectures, recitations, demonstrations; 4: laboratory; 5 two-hour periods. *I.*
Professor Petersen, Dr. Jaffe

22. Clinical Pathology.—Microscopic, bacteriologic, and chemical examination of blood, urine, sputum, faeces, stomach contents, exudates, etc. 2 two-hour periods. *I.*
Dr. Pilot, Dr. Pinner, and assistants

Required Course—Third Year

26. Special Pathology of Autopsies.—Gross and microscopic examination of organs, autopsies, post-mortem bacteriology, and experimental pathology. Three two-hour periods. *I.* Professor Davis, Dr. Pilot, Dr. Rappaport

Required Course—Third Year

28. Preventive Medicine.—General principles of prevention of disease. Epidemiology. Prevention of disease as applied to the specific diseases and the specialties. Lectures and demonstrations; 2. *II.* Professor Davis

Optional Courses

50. Advanced Work and Research in Bacteriology.—Limited to properly qualified students. Professor Davis, Professor Petersen

51. Advanced Work in Special Diagnostic Laboratory Methods.—Limited to a few qualified students. Dr. Pilot, Dr. Pinner

55. Diagnosis of Tumors.—Open to students who have had courses in general and special pathology. *I.* Professor Petersen, Dr. Jaffe

Courses for Graduates

101. Advanced Pathogenesis.—Pathology and Bacteriology. *One or two units.*
Professor Davis, Professor Petersen, Dr. Jaffe

105. Individual Research.—*One or two units.*
Professor Davis, Professor Petersen, Dr. Jaffe

PHARMACOLOGY, MATERIA MEDICA, AND THERAPEUTICS

Hugh Alister McGuigan, Ph.D., M.D., *Professor and Head of the Department*
Walter John Richard Heinekamp, M.S., M.D., *Associate*
Clyde Mason Snow, Ph.G., *Instructor*
Seymour J. Cohen, M.S., M.D., *Associate*
E. M. Koch, Ph.D., *Instructor*

Required Courses—Second Year

Prerequisites: Physiology and Physiological Chemistry.

8. **Pharmacology.**—Lectures and recitations; 3: laboratory; 1 three-hour period. *I.* Professor McGuigan, Dr. Heinekamp, Dr. Cohen, Dr. Koch

10. **Pharmacy and Materia Medica.**—Lectures and recitations; 1: demonstrations and laboratory; 2. *II.* Professor McGuigan, Mr. Snow, and assistants

12. **Pharmacoloy and Toxicology.**—Lectures and recitations; 2: laboratory; 2. *II.* Professor McGuigan, Dr. Heinekamp, Dr. Cohen, Dr. Koch

Required Course—Third Year

20. **General Therapeutics.**—2. *I.* Professor McGuigan

Optional Course

Research.—The laboratory is open at all times for those qualified to engage in research. Professor McGuigan, Dr. Heinekamp, Dr. Cohen, Dr. Koch

Courses for Graduates

101. **Advanced Pharmacodynamics.**—Laboratory work. *One or two units.* Professor McGuigan

103. **Research Work in Pharmacodynamics.**—*One or two units.* Professor McGuigan

PHYSIOLOGY AND PHYSIOLOGICAL CHEMISTRY

George Peter Dreyer, A.B., Ph.D., *Professor and Head of the Department*
William Henry Welker, A.C., Ph.D., *Professor of Physiological Chemistry*
Olaf Bergeim, Ph.G., B.S., M.S., Ph.D., *Assistant Professor of Physiological Chemistry*
Nelson F. Fisher, A.B., M.S., Ph.D., *Assistant Professor of Physiology*
Grover Tracy, A.B., *Associate in Physiological Chemistry*
Franklin Ransom Fitch, B.S., M.D., *Instructor in Physiology*
James Tobias Groot, B.S., M.D., *Instructor in Physiology*
Edward Larson, B.S., M.S., *Instructor in Physiological Chemistry*
Arthur Gideon Cole, B.S., *Instructor in Physiological Chemistry*
Howard LaRue Marsh, B.S., M.S., *Assistant in Physiological Chemistry*
Barclay Elijah Noble, B.S., *Assistant in Physiology*
J. Robert Doty, B.S., *Assistant in Physiology*
Morris Carl Solomon, B.S., *Assistant in Physiological Chemistry*
John M. Thomas, *Mechanic and Technician in Physiology*
Edward John McCormack, *Technician in Physiology*
Christian Due, Chem.Eng., *Technician in Physiological Chemistry*
Ocie R. Burns, Ph.G., *Assistant Technician in Physiological Chemistry*

General Statement

The course in physiology is articulated with the other subjects in the curriculum to secure the maximal degree of correlation. Due emphasis is placed on the laboratory work. The standard equipment, as ordinarily provided for the fundamental experiments of the science, is supplemented by special apparatus for the study of clinical problems relating to circulation, respiration, vision, and the nervous system.

The laboratory exercises are selected not only to illustrate and to vitalize the subject-matter of the didactic course, but also to supply useful technical training and to develop interest in the methods and problems of original investigation. Facilities and equipment are available for those who desire to take advanced work or engage in research.

For the work in chemistry, three laboratories are equipped for routine instruction. Additional rooms for the preparation of class work and for metabolism experiments are connected with these laboratories. Research and graduate work are conducted in the chemistry suite of the Research Laboratory and Library Building. For the use of advanced students and investigators the nucleus of a chemical library, embracing the principal works of reference, is kept in the laboratory. The main library contains complete files of the more important journals of biochemistry.

Required Courses—First Year

20. Physiology.—Blood and lymph, muscle and nerve, circulation, respiration, secretion, and digestion. Lectures and recitations; 3: demonstration and laboratory; 2 four-hour periods. *I.*

Professor Dreyer, Professor Fisher, Dr. Groot, Mr. Doty, and assistants

27. Physiological Chemistry and Toxicology.—Lectures, demonstrations, conferences; 3: laboratory; 8 hours. *I.*

Professor Welker, Assistant Professor Bergeim, Mr. Tracy, Mr. Larsen, Mr. Cole, Mr. Marsh, and assistants

Required Course—First Year

29. Physiology.—Metabolism; special senses; central nervous system. Lectures, recitations, demonstrations; 3: laboratory; 1 two-hour period. *I.*

Professor Dreyer, Professor Fisher, Dr. Groot, Dr. Fitch, and assistants

Optional Courses

51. Advanced Laboratory Work.—Physiological demonstration and research; graphic methods. Professor Dreyer, Professor Fisher, Mr. Noble, Mr. Doty

60. Vitamins.—6. *I.* Mr. Marsh

62. Preparation of Pure Proteins.—6. *I.* Professor Welker

Research.—The laboratories are open to persons with the requisite scientific training for the conduct of original investigations under the direction of the members of the staff.

63-64. Seminar.—The members of the teaching staff and all advanced workers in the department meet weekly to discuss results of recent researches in physiology and biological chemistry.

Prerequisites for optional courses: In physiology, courses 20 and 29, and in chemistry, course 27.

Courses for Graduates

103. Advanced Biological Chemistry.—Biochemical methods of research; biological colloids; enzyme action; metabolism. *One or two units.*
Professor Welker, Assistant Professor Bergeim

107. Biochemical Research.—*One or two units.*
Professor Welker, Assistant Professor Bergeim

SURGERY

Charles Davison, A.M., M.D., *Professor and Head of the Department*

DIVISION OF GENERAL SURGERY

Charles Davison, A.M., M.D., *Professor*
Albert Edward Halstead, M.D., *Professor*
William McIntyre Harsha, A.B., M.D., *Professor*
Charles Edward Humiston, M.D., Sc.D., *Professor*
Nelson Mortimer Percy, M.D., *Professor*
George Farnsworth Thompson, B.S., M.D., *Associate Professor*
Karl Albert Meyer, M.D., *Associate Professor*
Frederick George Dyas, M.D., *Associate Professor*
Henry Bascom Thomas, B.S., M.D., *Associate Professor of Orthopedic Surgery*
Charles Morgan McKenna, B.S., M.D., *Associate Professor of Genito-Urinary Surgery*
Cassius Clay Rogers, A.M., M.D., *Associate Professor*
Benjamin Franklin Lounsbury, B.L., M.D., *Associate Professor of Operative Surgery*
Willard Clark Sanford, B.S., M.D., *Associate Professor (Extra Mural)*
John Ross Harger, B.S., M.D., *Assistant Professor*
Charles Herbert Phifer, M.D., *Assistant Professor*
Harry Culver, M.S., M.D., *Assistant Professor of Genito-Urinary Surgery*
Raymond William McNealy, M.D., *Assistant Professor*
George Luther Davenport, M.D., *Assistant Professor*
Augustus George Zimmerman, LL.B., M.D., *Assistant Professor (Extra Mural)*
Arrie Bamberger, B.S., M.D., *Associate*
Oscar Eugene Nadeau, B.S., M.D., *Associate in Surgical Pathology*
Henry Lester Baker, M.D., *Associate*
George Washington Post, B.S., A.M., M.D., *Associate*
Ralph Charles Sullivan, A.M., M.D., *Associate*
Clara Grace Gottschalk, M.D., *Instructor*
Frederick Christopher, B.S., M.D., *Assistant*
Gilbert Palmer Pond, B.S., M.D., *Assistant*
John Fisher Gainer, B.S., M.D., *Assistant*
Ralph August Kordenat, M.S., M.D., *Assistant*
Dorrin Fred Rudnick, B.S., M.D., *Assistant*
Adolph Kraft, M.S., M.D., *Assistant in Experimental Surgery*
Morris Louis Parker, B.S., M.D., *Assistant*
Chauncey C. Mayer, B.S., M.D., *Assistant*
Henry Rex Amberson, B.S., M.D., *Assistant*

REQUIRED COURSES—THIRD YEAR

3-4. Practice.—Surgery and surgical pathology. Conferences, recitations. In sections. 2. *II*. Assistant Professor PHIFER, Dr. POST, Dr. BAMBERGER, Dr. SULLIVAN

7-8. Clinic.—Dispensary. Diagnosis, bandaging, surgical dressings, and appliances. Three two-hour periods (*three weeks*). *II*.

Assistant Professor HARGER, Dr. BAMBERGER, Dr. POST, Dr. KORDENAT, Dr. KRAFT, Dr. AMBERSON

9. Clinic.—Cook County Hospital. 1 two-hour period. *I*. Assistant Professor MCNEALY

10. Clinic.—Cook County Hospital. 1 two-hour period. *I*. Associate Professor THOMPSON

11. Clinic.—Cook County Hospital. 1 two-hour period. *I*. Associate Professor DYAS

12. Clinic.—Cook County Hospital. 1 two-hour period. *I*. Assistant Professor DAVENPORT

19. Anesthetics.—Practical demonstrations to individual students in the administration of anesthetics at Cook County Hospital. Associate Professor MEYER

OPTIONAL COURSES—THIRD YEAR

1-X. Anesthetics, Surgical Dressings, and Bandaging.—Individual instruction and demonstration of the application of surgical dressings. 1. *I*. Dr. BAKER

2-X. Surgical Diagnosis.—1. *I*. Assistant Professor MCNEALY

3-X. Principles of Surgery.—A review course. 1. *I*. Associate Professor MEYER

4-X. Special Features.—Lectures, recitations, conferences. 1. *I*. Assistant Professor DAVENPORT

5-X. Operative Surgery of the Abdomen on Animals.—1. *I*. Dr. GRAHAM, Dr. BRAUDE

6-X. Preoperative and Postoperative Treatment.—1. *I*. Dr. NADEAU

REQUIRED COURSES—FOURTH YEAR

29. Clinic.—University Hospital. 1 two-hour period. *I*. Professor DAVISON

31. Clinic.—St. Mary's Hospital. 1 two-hour period. *I*. Professor PERCY

32. Clinic.—Augustana Hospital. 1 two-hour period. *I*. ______________

33. Clinic.—St. Luke's Hospital. 1 two-hour period. *I*. Professor HALSTEAD, Professor HARSHA

34. Clinic.—Cook County Hospital. 1 two-hour period. *I*. Associate Professor THOMPSON

35. Clinic.—Cook County Hospital. 1 two-hour period. *I*. Assistant Professor MCNEALY

36. Clinic.—Cook County Hospital. 1 two-hour period. *I*. Assistant Professor DAVENPORT

37-a. Clinic.—Cook County Hospital. Bedside conference in surgical diagnosis. 1. *I.* Associate Professor Meyer

37-b. Clinic.—Cook County Hospital. Individual bedside instruction in surgical diagnosis. Record writing, symptoms, physical examination, roentgenogram interpretation, laboratory examination of materials from the patients secured in the ward, operating room, or morgue. One two-hour period. *I.* Professor Davison and assistants

41. Surgical Pathology.—Laboratory. In sections. 1 two-hour period (*eight weeks*). Dr. Nadeau

Optional Courses—Fourth Year

6-X. Surgery of the Abdomen (Course I).—Lectures, conferences, recitations. 1. *I.* Associate Professor Thompson

7-X. Surgical Tuberculosis.—Lectures, conferences, recitations. 1. *I.* Associate Professor Thomas

8-X. Regional Surgery.—A review course. 1. *I.* *Prerequisite*: 3-X. Associate Professor Meyer

9-X. Surgery of the Brain and Spinal Cord.—Lectures, conferences, recitations. 1. *I.* Associate Professor Rogers

10-X. Surgery of the Thorax.—Lectures, conferences, recitations. 1. *I.* Professor Dyas

11-X. Surgical Diseases of the Kidneys.—1. *I.* Assistant Professor Culver

12-X. Surgery of the Abdomen (Course II).—Lectures, conferences, recitations. 1. *I.* Professor Humiston

13-X. Hernia.—1. *I.* Professor Halstead

14-X (a) Surgery of the Neck and Chest.—1. *I.* ____________

14-X (b) Surgery of the Spleen and Anaemias.—1. *I.* Professor Percy

15-X. Surgical Diseases of the Bladder.—1. *I.* Associate Professor McKenna

DIVISION OF ORTHOPEDIC SURGERY

Henry Bascom Thomas, B.S., M.D., *Associate Professor*
John Perley Sprague, A.B., M.D., *Associate*
Marcus Hatfield Hobart, A.B., M.D., *Associate*
Dennis Rider Wood Crile, B.S., M.D., *Instructor*
Frank George Murphy, B.S., M.D., *Instructor*
Walter Rathfon Fischer, B.S., M.D., *Assistant*
Rudolph J. Mroz, B.S., M.D., *Assistant*

Required Courses—Third Year

3. Practice.—Conferences, recitations. In sections. 1. *I.* Associate Professor Thomas, Dr. Sprague, Dr. Crile, Dr. Murphy

4. Practice.—Advanced Course. Elective. 1. *I.* Associate Professor Thomas

7. Clinic.—St. Luke's Hospital. 1. *I.* Associate Professor Thomas

15-16. Clinic.—Dispensary. In sections. 3 two-hour periods (*three weeks*). *II.* Associate Professor Thomas, Dr. Hobart, Dr. Sprague

DIVISION OF GENITO-URINARY SURGERY

Charles Morgan McKenna, B.S., M.D., *Associate Professor*
Harry Culver, M.S., M.D., *Assistant Professor*
Harry Jerome Smejkal, M.D., *Instructor*
Russell Dorr Herrold, B.S., M.D., *Instructor*
Vincent John O'Conor, B.S., M.D., *Instructor*
Edwin Walter Hirsch, B.S., M.D., *Assistant*

Required Courses—Third Year

3. Practice.—Conferences, recitations. In sections. 1. *I.*
Associate Professor McKenna, Assistant Professor Culver, Dr. Herrold, Dr. O'Conor

4. Practice.—Advanced Course. Elective 1. *I.* Assistant Professor Culver

7-8. Clinic.—Dispensary. In sections. 3 two-hour periods (*three weeks*). *II.*
Associate Professor McKenna, Dr. Smejkal

Required Courses—Fourth Year

11. Clinic.—Cook County Hospital. Individual instruction in the diagnosis of genito-urinary diseases, including cystoscopy, catherization of the ureters, interpretation of roentgenograms and of chemical and microscopical urinalyses. In sections. 2 two-hour periods (*three weeks*). Assistant Professor Culver

14. Clinic.—St. Joseph's Hospital. In sections. 1 two-hour period (*eight weeks*). *I.* Associate Professor McKenna

DIVISION OF OPERATIVE SURGERY

Benjamin Franklin Lounsbury, B.L., M.D., *Associate Professor*
Archie James Graham, B.S., M.D., *Instructor*
Arthur R. Metz, A.B., M.D., *Instructor*
Irving Robert Browning, B.S., M.D., *Assistant*
Benjamin Braude, M.S., M.D., *Assistant*

Required Course—Second Year

3. Operative Surgery.—Regional surgical anatomy. Individual operations on the cadaver and on animals. In small sections. 1 two-hour period. *I.*
Associate Professor Lounsbury, Dr. Metz, Dr. Browning

RESEARCH SURGERY

Dean D. Lewis, A.B., M.D., *Professor of Surgery and Director of Research in Surgery*
Edmund Andrews, A.B., M.D., *Assistant Professor of Surgery*
William Raymond Meeker, B.S., M.D., *Assistant Professor of Surgery*
Lindon Seed, A.B., M.S., M.D., *Instructor in Surgery*
John D. Koucky, B.S., M.D., *Instructor in Surgery*

(This Department will present certain optional and required courses, details of which will be announced later.)

PROVISIONAL SUMMARY OF HOURS

FIRST YEAR

Subjects	First Semester		Second Semester		Total
	Didactic	Laboratory	Didactic	Laboratory	
ANATOMY:					
Gross	32	112	32	112	288
Microscopic	32	160	32	64	288
CHEMISTRY:					
Physiological	48	132	...	...	180
PHYSIOLOGY	...	...	80	96	176
	112	404	144	272	932

SECOND YEAR

Subjects	First Semester		Second Semester		Total
	Didactic	Laboratory	Didactic	Laboratory	
ANATOMY:					
Topographical	32	80	...	...	112
Bacteriology	32	96	...	...	128
Pharmacology and Pharmacy	48	48	32	80	208
Pathology	...	...	48	128	176
Physical Diagnosis	...	...	16	32	48
Physiology	48	32	...	...	80
Surgery (Operative)	...	...	...	32	32
Electives	...	...	96	...	96
	144	272	192	272	880

PROVISIONAL SUMMARY OF HOURS (Continued)

THIRD YEAR

Subjects	First Semester			Second Semester			Total
	Didactic	Clinical & Laboratory	Dispensary	Didactic	Clinical & Laboratory	Dispensary	
Autopsies	..	..	..	..	32	..	32
Oto-Laryngology	16	16	9	10	..	9	60
Internal Medicine	64	48	18	64	32	18	244
Medical Jurisprudence	..	..	..	16	..	..	16
Hygiene	..	..	..	32	..	..	32
Pathology	..	..	..	16	48	..	64
Pediatrics	16	8	..	16	8	..	48
Pharmacology and Therapeutics	32	..	..	..	..	..	32
Obstetrics	48	..	..	..	12	..	60
General Surgery	32	32	18	32	36	18	168
Orthopedic Surgery	..	32	18	16	..	18	84
Clinical Pathology	..	64	..	..	..	..	64
Genito-Urinary Surgery	16	..	18	..	..	18	52
Electives	16	..	..	16	..	..	32
	240	200	81	218	168	81	988

FOURTH YEAR

Subjects	First Semester			Second Semester			Total
	Didactic	Clinical & Laboratory	Dispensary	Didactic	Clinical & Laboratory	Dispensary	
Dermatology	16	16	9	16	..	9	66
Genito-Urinary Surgery	..	20	..	..	..	..	20
Gynecology	16	32	18	16	..	18	100
Hygiene	..	..	..	..	24	..	24
Medicine	64	42	..	48	42	..	196
Neurology	..	48	..	..	48	..	96
Obstetrics	48	32	..	..	24	..	104
Ophthalmology	..	32	..	..	32	..	64
Pediatrics	..	40	..	..	40	..	80
Psychiatry	..	..	..	..	24	..	24
Roentgenology	..	..	..	..	4	..	4
General Surgery	16	86	..	32	86	..	220
Surgical Pathology	..	..	..	..	16	..	16
Electives	48	..	..	48	..	..	96
	208	348	27	160	340	27	1110

First year	932
Second year	880
Third year	988
Fourth year	1110
Total	3910

COLLEGE ORGANIZATIONS

THE YOUNG MEN'S CHRISTIAN ASSOCIATION

The Association at the College of Medicine is a branch of the Young Men's Christian Association of Chicago. The secretary, Lucius C. Hollister, maintains his headquarters immediately adjacent to the College of Medicine. He has charge of the Employment Bureau, Room Register, Student Information Bureau, and the social and religious activities of the student body.

The aim of the Association is service. It purposes to provide opportunity for the development of a varied program of service which will make for the attainment of the best in the individual and in the student body. The various activities are promoted by the cabinet—a group of student committees especially qualified for such service. The committees perform a special service through the employment bureau which is maintained to help those students who have to work their way through college.

THE YOUNG WOMEN'S CHRISTIAN ASSOCIATION

The Women Medical Students' Christian League, affiliated with the National Y. W. C. A. holds frequent luncheons throughout the year at which outside speakers are entertained. One Sunday a month, the women of the various medical colleges meet in an inspirational and social meeting at some home.

ALUMNI ASSOCIATION OF THE COLLEGE OF MEDICINE OF THE UNIVERSITY OF ILLINOIS

President—Warren F. Pearce, '08, Ill. State Bank Bldg., Quincy, Ill.
First Vice-President—C. C. Clement, '06, 30 N. Michigan Av., Chicago.
Second Vice-President—E. J. Ford, '06, 2009 Harrison St., Evanston, Ill.
Third Vice-President—M. J. Seifert, '01, 30 N. Michigan Av., Chicago.
Secretary-Treasurer—Marshall Davison, '19, 432 S. Lincoln St., Chicago.
Member of Executive Committee—F. Lee Stone, '10, 25 E. Washington St., Chicago.
Delegate to Alumni Council—John M. Krasa, '13, 3335 W. 26th St., Chicago.
Historian—F. H. Renberg, '05, 3037 Wentworth Av., Chicago.
Necrologist—M. Robert Weidner, '83, Dolton Station, Ill.

Alpha Omega Alpha

Alpha Omega Alpha, an international honorary medical fraternity, which chapters in twenty-four "Class A" medical schools, was founded in the College of Medicine, in 1902.

Third and fourth year medical students who have a grade of scholarship ranking them in the upper one-sixth of their class are eligible for membership.

group ii, class of 1925

Allan Stamler
Otto Victor Pawlisch
Earnest Eugene Jones

Claude Lorraine Davison
Howard LaRue Marsh
Lewis Rawlings Brewer

GROUP I, CLASS OF 1926

Leo Amtman	Samuel Peluse
Bruce Ivan Ryder	Harry Arlo Amesbury

MEDICAL RESEARCH CLUB

The Medical Research Club, the object of which is the stimulation of scientific research, meets once a month for the discussion of original scientific contributions. Since its organization in January, 1914, many papers have been presented before the society. The spirit of generous competition and helpful criticism that prevails in this club has been a stimulus toward the production of an increasing number of valuable scientific contributions.

Graduate students and others giving promise of doing meritorius work are eligible to associate membership. Associate members have all the rights and privileges of the club except the right to vote.

Elected to Membership, 1924-25

Active Members

Edmund Andrews, A.B., M.D., *Assistant Professor of Surgery*
Albert Bachem, Ph.D., *Professor of Bio-Physics and Director of Laboratory*
Theodore E. Boyd, B.S., Ph.D., *Associate Professor of Physiology, Loyola University*
Arthur G. Cole, B.S., *Instructor in Physiological Chemistry*
Nelson F. Fisher, A.B., M.S., Ph.D., *Assistant Professor of Physiology*
E. M. Koch, Ph.D., *Instructor in Pharmacology*
John D. Koucky, B.S., M.D., *Instructor in Surgery*
Edward Larson, B.S., M.S., *Instructor in Physiological Chemistry*
Dean Lewis, A.B., M.D., Sc.D., *Professor of Surgery and Director of Research in Surgery*
William R. Meeker, B.S., M.D., *Assistant Profesosr of Surgery*
E. S. Moore, Ph.B., M.D., *Associate Professor of Medicine and Director of the Dispensary*
O. E. Nadeau, B.S., M.D., *Associate in Surgical Pathology and Associate in Anatomy*
B. Z. Rappaport, B.S., M.D., *Instructor in Pathology*
Lindon Seed, A.B., M.D., M.S., *Instructor in Surgery*
F. E. Senear, B.S., M.D., *Professor of Dermatology and Head of Department*
H. D. Singer, M.B., M.D., *Professor of Psychiatry and Head of Division*
Frank Smithies, M.D., *Professor of Medicine*

ASSOCIATE MEMBER

Ruth Westlund, B.S., *Assistant in Preventive Medicine*

HONORARY MEMBERS

Arthur H. Daniels, Ph.D., *Professor of Philosophy and Dean of the Graduate School*
Samuel Wilson Parr, M.S., *Professor of Applied Science*

Papers Read Before the Club—1924-25

"Studies on Experimental Amyloidosis," Dr. R. H. Jaffe.
"Staphylococci from Liver, Gall-Bladder and Intestine of the Dog," Drs. L. Arnold, E. R. Balthazar and R. S. Drago.

"Sensations Elicited by Duodenal Stimulation," Dr. R. Keeton.
"Pre-Columbian Cranial Hyperostoses from Peru," Dr. R. L. Moodie.
"Incidence and Significance of Reactions Following Whole Blood Transfusion," Dr. R. A. Kordenat.
"On the Nature of Urinary Glucose," Dr. W. C. Austin.
"Salivary Digestion in the Human Stomach," Dr. O. Bergeim.
"Spontaneous Diabetes in Dogs," Dr. S. Matthews.
"Pneumatization of Bone," Dr. N. Pierce.
"Abdominoscopy," Drs. O. Nadeau and O. K. Kampmeier.
"Torula Infection in Man," Dr. B. Z. Rappaport.
"Mechanism of Insulin Action," Dr. E. F. Mueller.
"Studies on the Physiology of the Liver," Dr. Frank C. Mann.
"Further Studies on Iron Therapy," Dr. C. S. Williamson.
"Further Studies on the Mineral Balance of the Lymph in Anaphylactic Shock," Dr. W. F. Petersen and Mr. T. P. Hughes.
"Studies in Intraocular Pressure," Drs. S. J. Cohen and L. Bothman.
"The Question of Splanchnic Anesthesia," Dr. W. R. Meeker.
"Relations Between Urine Reaction and Gastric Secretion," Drs. T. E. Boyd and W. C. Austin.
"Trichinosis Encephalitis," Dr. G. B. Hassin.
"Research," Professor S. W. Parr.

DEGREES CONFERRED

FIFTH YEAR CLASS

Session of 1924-25

DEGREE OF DOCTOR OF MEDICINE

Conferred July 1, 1924

Azor Victor Nasatir, B.S.

Conferred August 3, 1924

Isaac Karlin, B.S.

Conferred October 9, 1924

Jeanette Jongewaard

Conferred December 1, 1924

David Epstein, B.S.
Alfred Julian Kobak, B.S.

Conferred January 1, 1925

Julius Adler
Carl Apple, B.S.
Eugene Lester Baker, B.S.
*Shirley Louis Hadden, B.S.
Emery J. McIntire, B.S.
Arthur Joe Rissinger

Conferred February 11, 1925

Sigil Clance Harris

Conferred March 12, 1925

Apolonio Fermin y Montezon Labada

Conferred June 8, 1925

Ralph Boyce Armitage, B.S.
Arthur Reuben Cooper, Ph.D.
Robert Neil Crow, B.S.
Charles Herold Eye, B.S.
John Jacob Gasser, B.S.
Harold Quinten Groos, B.S.
Raymond John Meyer, B.S.
Clarence Martin O'Hora, B.S.
Robert Crawford Robertson, A.B., B.S., M.S.
Jesse P. Rogers, B.S.
Carl Joseph Uthoff, B.S.

Conferred June 11, 1925

Glen Amos Brough, A.B., B.S.

Conferred June 15, 1925

Robert Paul Caron

Conferred June 16, 1925

Clyde Kenneth Conrad, B.S.

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*Same as Chirley Louis Hadden mentioned through error in 1924-25 catalogue, as of July 1, 1924.

Conferred July 1, 1925

William Frederick Abramson
Edmund Francis Bennett
Harry Clinton Bigglestone, A.B., B.S.
Max Thomas Bolotin, B.S.
Hyman Nathanson Brown, B.S.
Loren Leslie Collins, B.S.
Raymond Green Colyer, A.B., B.S.
Magni Davidson, A.B.
Irvin Davis, B.S.
Hugo O. Deuss, B.S.
William Gibson Elliott, B.S.
Louis Eshman, B.S.
Fred Snider Etherton, B.S.
Abraham Ettleson, B.S.
Jacob Fischer, B.S.
John Francis Flynn, B.S.
Robert William Flynn, B.S.
Chester Philip Fox, B.S.
Milton B. Gevirtz, B.S.
Ivan Gilbert, B.S.
Leo Grant Glickman, B.S.
Melvin Reese Guttman, B.S.
Morris Solomon Jerkowsky, B.S.
Howard Reynold Johnson, B.S.
Russell Johnson, A.B., B.S.
Samuel Kaplan, B.S.
Douglas Sheldon Kellogg, B.S.
Benjamin Franklin Kilgore, B.S.
Neil McLean Leitch, B.S.
Wilbert Ashton Liebeler, A.B., B.S.
Severo Francisco Mar, B.S.
Jesse Margolis, B.S.
Albert Ilmer Mathre, B.S.
John Frank Moon, B.S.
Jacob Morton Mora, B.S.
John Patrick Mulcahy, B.S.
Andrew McNally, Jr., B.S.
Carlton Maurice Neiberg
Owen Wendell Emen Nowlin, B.S.
Arthur Paul Picard, A.B., B.S.
Charles T. Poulson, B.S.
John Francis Ralston, B.S.
Dewey Minnis Roberts, B.S., A.B.
David Rosenblum, B.S.
Joseph Rubenstein, B.S.
Robert Schafer, B.S.
Thomas Craig Scott
Sherman Lawrence Shapiro, B.S.
Harry Singer
Charles Raimer Smith, B.S.
John Frederick Smith
Ralph Benjamin Snavely, B.S.
Harry George Talbot, B.S.
Joseph Hancock Thomas, B.S.
Maurice John Thornton, B.S.
Alvin Stewart Thurston, B.S.
Walter Pierson Tippet, A.B.
Hyman Israel Vener, B.S.
Samuel Isaac Weiner, B.S.
Carl August Wilke, B.S.
Wilbur Stuart Wood, B.S.
John Clarence Yockey, B.S.
Edmund Valient Young, B.S.

THE DEGREE OF BACHELOR OF SCIENCE

Conferred October 25, 1924

Roger Wolcott Hubbard
Nathan Kent Lazar
Elbridge Albert McIntyre

Conferred February 11, 1925

Hugh Hubert Beguesse
Charles Daniel Brunkow
Stanley Joseph Giryotas
Wilfred Jonathan Nowlin

Conferred June 13, 1925

Frank Albert Bagley
Elmer C. Bartels
Norbert Alois Blickham
William Boikansky
Albert Joseph Bown
Cecil David Brown
Florence Amelia Brown
Con Rice Cain

Marcus R. Caro
Abraham Emil Cohen
Joe P. Crabtree
Ernest Maxwell Dewhirst
Numa Pompilius Dunne
Noah Daniel Fabricant
Walter Raymond Fallon, Ph.G.
Fred Grant Ferguson
Louis Zollo Fishman
Dorothy Miriam Franklin, A.B.
Peter Gaberman
Glen Earl Glasgow
Abraham Hyman Goldberg
Edward A. Grabarski
Earl Herron
Samuel Julian Hoffman
Hubert Spangler Huston, Ph.G.
Jacob Robert Jacobson
Emery Orville Jodar
Arthur Wesley Kistner
Elmer George Koehler
Harry Kraut
Jacob L. Marks
John C. Mason
George Milles, Ph.G.
Haruto Okada
Louis Parmacek
Ralph Otis Peterson
Elizabeth Jane Robertson
Sol Rosenthal
Herbert Spencer Sarnoff
Morris Joseph Schiff
Arthur Melville Schorr
Sophie Willene Schroeder
Sergius Felix Slutzkin
Louis Irwin Sokol
Leonard Francis Waldman
Halvard Wanger
Louis Stanley Wegrzyn
Fred Burnham Western

CERTIFICATE PRESENTED JUNE 13, 1925

Students who have completed four years of scheduled work in the College of Medicine of the University of Illinois, and who upon the completion of a year of satisfactory interneship in a hospital approved by the University will be entitled to the degree of Doctor of Medicine.

Frank Lambert Alford
Ray Conway Armstrong, B.S.
Grant Vahan Athanas, B.S.
Reuben Bard, B.S.
John Benjamin Batko, B.S.
John Michael Benedetto, B.S.
Bengt Norman Bengtson, B.S.
Charles John Besta, B.S.
Carroll LaFleur Birch, B.S.
Franklin Wetmore Blye
Louis N. Boelio, B.S.
Robert Emerson Bond, B.S.
Kenneth Charles Bradenburg, B.S.
Lewis Rawlings Brewer, B.S.
Walter Frederick Briney, B.S.
Nora Florence Brodboll, B.S.
Stuart Absalom Cameron, B.S.
William Dayton Carrell, B.S.
Marie Louise Connelly, A.B., B.S.
Max Mordecai Coopersmith
Juan Santos Cuyugan, A.B., B.S.
Claude Lorraine Davison, A.S., B.S.
Morris Michael Deitchman, B.S.
Robert James Douglas, B.S.
Howard Ivan Down, A.B.
Robert William Edwards, B.S.
Carl James Emmerling, B.S.
Herbert Harter Englehard, B.S.
Casper Morey Epstein, B.S.
Stanley William Fahlstrom, B.S.
John Edward Fairchild, B.S.
Enid Fillingham, A.B., B.S.
Alvin Christian Florin, B.S.
Carl Nathaniel Furness, B.S.
Jonathan Paul Gibbel, A.B.
Kenneth Donald Graham, B.S.
Robert Leroy Groves, A.B., B.S.
Hubert F. Harman, B.S.
Joseph Albert Harter, B.S.
Herman Weitzel Hawkins, B.S.
Lafayette Abbott Hedges, B.S.
Lewis Rowland Hill, B.S., M.S.
Brooke Horsky, B.S.
Richard Frank Inman, B.S.

Paul Vadalin Jameson, A.B.
Reinhold Enoch Johnson, B.S.
Herman Kamin, B.S.
George Manuel Katzman, B.S.
Bernard Samuel Kleinman, B.S.
Arshag Seuerian Killian, A.B., A.M.
Samuel Kuner, B.S.
Roy Merl Ledford, B.S.
Edward Maurice Lipsett, A.B.
Luther Mohler Lorance, B.S.
Donald Maxwell MacCornack, B.S.
Raymond Stewart McCradie, B.S., M.S.
John William McKinstry, B.S.
John Charles McMillan, B.S.
Andrew Robert Mailer, B.S.
Howard LaRue Marsh, B.S., M.S.
Leo Maslow, B.S.
Solomon Meyerson, B.S.
Clayton Othello Miller, B.S.
Alonzo Maceo Mercer, B.S.
Herman Louis Mishkin, B.S.
George William Moxon, B.S.
Aaron Neiman, B.S.
Louis Nodinger
Julius B. Novak, B.S.
Jacob Borah Ozonoff
Otto Bohumil Pavlin, B.S.
Otto Victor Pawlisch, B.S.
Herbert William Peterson
Oliver Conrad Pfeifer, B.S.
John Leon Pieczynski, B.S.
Emma Ponzer, A.B., B.S.
Fred C. Prehn, B.S.
Oscar Richter, B.S.
William Gallard Rinehart, Ph.G., B.S.
Harold H. Rosenbloom, B.S.
Samuel Rosenblum, B.S.
Jerome Livingston Rosengard
Hector Morrison Ross
Lawrence Donat Ryan, B.S.
Jesse Casstevens Sculley, B.S.
Rachelle Seletz, B.S.
Leon Stanislaus Shalla, B.S.
Max Shifrin, B.S.
Samuel Shore
William Gooding Shurtz, B.S.
Horace Frederick Smith, A.B.
Allan Erwin Stamler, B.S.
Sol Ascher Sugar, B.S.
Roy Thomas Sugars, B.S.
Stephen William Sukumlyn
Lars Eric Theodore Steinert, B.S.
Floyd Hough Steinman, B.S.
Helen Ruth Vincent, B.S.
Abraham M. Weinbaum
Wayne Shepherd Williamson
Woody Maurice Winston, A.B.
David Marndell Wong, B.S.
Samuel Young

REGISTER OF STUDENTS

SESSION OF 1925-26

FIFTH YEAR CLASS—HOSPITAL APPOINTMENTS

Alexian Brothers Hospital	Jacob Borah Ozonoff
Chicago, Illinois	Howard H. Bass
Alexian Brothers Hospital	Louis Nodinger
St Louis, Mo.	
Ancker Hospital	Howard LaRue Marsh
St. Paul, Minnesota	
Augustana Hospital	Herbert Harter Engelhard
Chicago, Illinois	
Buffalo City Hospital	Kenneth Donald Graham
Buffalo, N.Y.	
Cook County Hospital	Robert Emerson Bond
Chicago, Illinois	Charles John Besta
	Lewis Rawlings Brewer
	Roy Merl Ledford
	Luther Mohler Lorance
	Donald Maxwell MacCornack
	Andrew Robert Mailer
	Julius B. Novak
	John Leo Pieczynski
	Oscar Richter
	Harold H. Rosenbloom
	Samuel Rosenblum
	Allan Erwin Stamler
	*Sol Ascher Sugar
Chicago Memorial Hospital	Walter Frederick Briney
Chicago, Illinois	Richard Frank Inman
Decatur and Macon County Hospital	William Dayton Carrell
Decatur, Illinois	
Denver General Hospital	David Shayne
Denver, Colorado	
Evanston Hospital	Robert William Edwards
Evanston, Illinois	
Francis E. Willard Hospital	Nora Florence Brodboll
Chicago, Illinois	Marie Louise Connelly
	Jonathan Paul Gibbel
	Aaron Neiman
French Hospital	Samuel Shore
San Francisco, Calif.	
Grant Hospital	Abraham M. Weinbaum
Chicago, Illinois	Grant V. Athanas
	George M. Katzman

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*January 1st, 1926.

Hackley Hospital Muskegon, Mich.	Enid Fillingham
Illinois Central Hospital Chicago, Illinois	Hubert F. Harman
Iowa Methodist Hospital Des Moines, Iowa	Howard Ivan Down
Kansas City General Hospital Kansas City, Missouri	Woody Maurice Winston
LaCrosse Lutheran Hospital LaCrosse, Wisconsin	Alvin Christian Florin
Los Angeles General Hospital Los Angeles, California	Stuart Cameron Claude Lorraine Davison
Lincoln Hospital and Home New York, New York	Samuel Kuner
Lutheran Memorial Hospital Chicago, Illinois	Lewis Rowland Hill Frank Lambert Alford Otto Victor Pawlisch Floyd Hough Steinman
Lutheran Deaconess Hospital Chicago, Illinois	Lafayette Abbott Hedges
Mount Sinai Hospital Chicago, Illinois	Bernard Samuel Kleinman Max Shifrin Hyman Kaminsky Jerome Rosengard
Michael Reese Hospital Chicago, Illinois	Ray Conway Armstrong Carroll LaFleur Birch Casper M. Epstein
Mary Thompson Hospital Chicago, Illinois	Emma Ponzer
Latter Day Saints Hospital Salt Lake City, Utah	Hector Morrison Ross
Norwegian Lutheran Deaconess Chicago, Illinois	John William McKinstry
Provident Hospital Chicago, Illinois	Alonzo Maceo Mercer
Research and Educational Hospital Chicago, Illinois	[1]Ray Conway Armstrong [1]Carroll LaFleur Birch John Edward Fairchild Herman Louis Mishkin
San Diego County Hospital San Diego, California	[1]Sol Ascher Sugar
St. Elizabeth's Hospital Chicago, Illinois	Carl James Emmerling George William Moxon Raymond Stewart McCradie
St. Francis Hospital Evanston, Illinois	Paz Garcia King Samuel Rosenblum

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[1] July 1, 1925—January 1, 1926.

St. Joseph's Hospital Chicago, Illinois	John Charles McMillan Roy Thomas Sugars
St. Joseph's Hospital Marshfield, Wisconsin	Morris Michael Deitchman
St. Louis City Hospital St. Louis, Missouri	Reinhold Enoch Johnson Oliver Conrad Pfeifer Samuel Young Leo. A. Maslow
St. Luke's Hospital Chicago, Illinois	Stanley C. William Fahlstrom
St. Luke's Hospital Spokane, Wash.	Brooke Horsky
St. Luke's Hospital St. Paul, Minn.	Juan Santos Cuyugan
St. Mary of Nazareth Hospital Chicago, Illinois	Stephen William Sukumlyn Lars Eric Theodore Steinert
St. Margaret's Hospital Hammond, Indiana	Arshag Seuerian Killian Solomon Meyerson
Swedish Covenant Hospital Chicago, Illinois	Robert James Douglas
Swedish Hospital Minneapolis, Minn.	Herbert William Peterson
Uniontown Hospital Uniontown, Pa.	David Wong
University Hospital Chicago, Illinois	Herman W. Hawkins Wayne Williamson
Washington Park Hospital Chicago, Illinois	Reuben Bard
Western Pennsylvania Hospital Pittsburgh, Pennsylvania	Joseph Albert Harter
West Suburban Hospital Chicago, Illinois	Franklin Wetmore Blye
West Side Hospital Chicago, Illinois	Louis N. Boelio Kenneth Charles Brandenberg Robert Leroy Groves Carl Nathaniel Furness Fred C. Prehn William Gooding Shurtz Horace Frederick Smith
Wichita Hospital Wichita, Kans.	William Galeard Reinhart

SESSION OF 1924-25

FOURTH YEAR CLASS

Alford, Frank Lambert	*Illinois*
Armstrong, Ray Conway, B.S.	*Illinois*
Athanas, Grant Vahan, B.S.	*Illinois*
Bass, Howard Harvey, B.S.	*Illinois*

Bard, Reuben, B.S.	*Illinois*
Batko, John Benjamin, B.S.	*Illinois*
Benedetto, John Michael, B.S.	*Illinois*
Bengtson, Bengt Norman, B.S.	*Illinois*
Besta, Charles John, B.S.	*Illinois*
Birch, Carroll LaFleur, B.S.	*Rhode Island*
Blye, Franklin Wetmore	*Illinois*
Boelio, Louis N., B.S.	*Illinois*
Bond, Robert Emerson, B.S.	*Illinois*
Brandenburg, Kenneth Charles, B.S.	*Illinois*
Brewer, Lewis Rawlings, B.S.	*Illinois*
Briney, Walter Frederick, B.S.	*Illinois*
Brodboll, Nora Florence, B.S.	*Illinois*
Cameron, Stuart Absalom, B.S.	*Illinois*
Carrell, William Dayton, B.S.	*Illinois*
Connelly, Marie Louise, A.B., B.S.	*Colorado*
Coopersmith, Max Mordecai	*Illinois*
Cuyugan, Juan Santos, A.B., B.S.	*Philippine Islands*
Davison, Claude Lorraine, A.S., B.S..	*Illinois*
Dawley, Walter Averill, B.S.	*South Dakota*
Deitchman, Morris Michael, B.S.	*Illinois*
Dorman, Marion Purman, A.S.	*Illinois*
Douglas, Robert James, B.S.	*Illinois*
Down, Howard Ivan, A.B.	*Iowa*
Edwards, Robert William, B.S.	*Illinois*
Emmerling, Carl James, B.S.	*Illinois*
Engelhard, Herbert Harter, B.S.	*Illinois*
Epstein, Casper Morey, B.S.	*Illinois*
Fahlstrom, Stanley William, B.S.	*Illinois*
Fairchild, John Edward, B.S.	*Illinois*
Fillingham, Enid, A.B., B.S.	*Indiana*
Florin, Alvin Christian, B.S.	*Wisconsin*
Furness, Carl Nathaniel, B.S.	*Illinois*
Gellenthien, Carl Herman, B.S.	*Illinois*
Gibbel, Jonathan Paul, A.B.	*Illinois*
Graham, Kenneth Donald, B.S.	*North Dakota*
Groves, Robert Leroy, A.B., B.S.	*California*
Harman, Hubert F., B.S.	*Wisconsin*
Harter, Joseph Albert, B.S.	*Illinois*
Hawkins, Herman Weitzel, B.S.	*Illinois*
Hedges, Lafayette Abbott, B.S.	*Kansas*
Hill, Lewis Rowland, B.S., M.S.	*Illinois*
Horsky, Brooke, B.S.	*Montana*
Inman, Richard Frank, B.S.	*Illinois*
Jacobziner, Harold Morris, B.S.	*New York*
Jameson, Paul Vadalin, A.B.	*Utah*
Johnson, Clarence Augustinus, B.S.	*North Dakota*
Johnson, Reinhold Enoch, B.S.	*Illinois*
Jones, Earnest Eugene, B.S.	*Illinois*

Kamin, Herman, B.S.	*Illinois*
Katzman, George Manuel, B.S.	*Illinois*
Killian, Arshag Seuerian, A.B.	*Illinois*
Kleinman, Bernard Samuel, B.S.	*Illinois*
Kuner, Samuel, B.S.	*New York*
Ledford, Roy Merl, B.S.	*Illinois*
Lipsett, Edward Maurice, A.B.	*New York*
Lorance, Luther Mohler, B.S.	*Illinois*
MacCornack, Donald Maxwell, B.S.	*Illinois*
McCradie, Raymond Stewart, B.S., M.S.	*Minnesota*
McKinstry, John William, B.S.	*Indiana*
McMillan, John Charles, B.S.	*Illinois*
Mailer, Andrew Robert, B.S.	*Wisconsin*
Marsh, Howard, LaRue, B.S., M.S.	*Pennsylvania*
Maslow, Leo, B.S.	*Illinois*
Mercer, Alonzo Maceo, B.S.	*Illinois*
Meyerson, Sol, B.S.	*Illinois*
Miller, Clayton, Othello, B.S.	*Illinois*
Mishkin, Herman Louis, B.S.	*Illinois*
Moxon, George William, B.S.	*Wisconsin*
Neiman, Aaron, B.S.	*Illinois*
Nodinger, Louis	*Illinois*
Novak, Julius B., B.S.	*Illinois*
Ozonoff, Jacob Borah	*Illinois*
Pavlin, Otto Bohumil, B.S.	*Illinois*
Pawlisch, Otto Victor, B.S.	*Wisconsin*
Peterson, Herbert William	*Minnesota*
Pfeifer, Oliver Conrad, B.S.	*Illinois*
Pieczynski, John Leon, B.S.	*Illinois*
Ponzer, Emma, A.B., B.S.	*Illinois*
Prehn, Fred C., B.S.	*Wisconsin*
Richter, Oscar, B.S.	*Illinois*
Rinehart, William Gallard, Ph.G., B.S.	*Illinois*
Rosenbloom, Harold H., B.S.	*Illinois*
Rosenblum, Samuel, B.S.	*Illinois*
Rosengard, Jerome Livingston	*Illinois*
Ross, Hector Morrison	*Illinois*
Ryan, Lawrence Donat, B.S.	*Illinois*
Sculley, Jesse Casstevans, B.S.	*Illinois*
Seletz, Rachelle, B.S.	*Illinois*
Shalla, Leon Stanislaus, B.S.	*Illinois*
Shifrin, Max, B.S.	*Illinois*
Shore, Samuel	*Illinois*
Shurtz, William Gooding, B.S.	*Illinois*
Smith, Horace Frederick, A.B.	*Illinois*
Stamler, Allan Erwin, B.S.	*Illinois*
Steinert, Lars Eric Theodore, B.S.	*Illinois*
Steinman, Floyd Hough, B.S.	*Illinois*
Sugar, Sol Ascher, B.S.	*Illinois*

Sugars, Roy Thomas, B.S.	*Wisconsin*
Sukumlyn, Stephen William	*North Dakota*
Vincent, Helen Ruth, B.S.	*Illinois*
Weinbaum, Abraham M.	*Illinois*
Williamson, Wayne Shepherd	*Illinois*
Winston, Woody Maurice, B.S.	*Illinois*
Wong, David Marndell, B.S.	*Illinois*
Young, Samuel	*Illinois*

THIRD YEAR CLASS

Abelson, Sol Marvin, B.S.	*Illinois*
Amesbury, Harry Arlo, B.S.	*Illinois*
Amtman, Leo Eisler, B.S.	*Illinois*
Beabout, Jesse Franklin	*Illinois*
Bancroft, Burton Richard, B.S.	*Illinois*
Banton, Huston J., B.S.	*Illinois*
Barber, Albert Carlos, B.S.	*Illinois*
Barber, Cecil Frederick, B.S.	*New York*
Beguesse, Hubert Hugh	*Trinidad, B. W. I.*
Belting, John Theodore, B.S.	*Illinois*
Bennett, William Harold	*Wisconsin*
Benzie, Clinton A., B.S..	*Michigan*
Berardi, James Bernard, Ph.G.	*Illinois*
Bernstein, Theodore B., B.S.	*Illinois*
Bohner, Carlyle Bernard, B.S.	*Illinois*
Bohrod, Milton George	*Illinois*
Bolotin, Joseph Thomas	*Illinois*
Bridegroom, Hugh Ginther, B.S.	*Indiana*
Brown, Raymond Calvin	*Illinois*
Bull, John Willard, B.S.	*Illinois*
Bullock, Norman Charles, B.S.	*Illinois*
Burns, Melton Burdett, B.S.	*Utah*
Canan, Mack Clelland, B.S.	*Illinois*
Carr, Claire Eugene, B.S.	*Illinois*
Cassidy, Harold Bernard, B.S.	*Illinois*
Chesnut, Nelson Hole	*Illinois*
Ciesla, Joseph Casimer, B.S.	*Illinois*
Collins, Harold James, B.S.	*Illinois*
Cox, Ethelbert Fitz-Randolph, B.S.	*Illinois*
Crabtree, Joe P.	*Illinois*
Cream, Chester L.	*Illinois*
Cronwell, Bernhard Johannes, Jr., A.B., B.S.	*Illinois*
DeLano, Percy J., B.S.	*Illinois*
Demetropulos, Nicholas Demetrius	*Greece*
Ellowitz, Hyman Manning, A.B., B.S.	*California*
Esslinger, Paul Henry, A.B., B.S.	*Illinois*
Eubanks, John Edward, B.S.	*Illinois*
Ewaert, Earl Ernst, B.S.	*Illinois*
Fellows, Manley Fording, B.S.	*Illinois*

Flack, Clarence Elbert, B.S.	*Illinois*
Giryotas, Emilia Josephine, A.B., B.S.	*Illinois*
Giryotas, Stanley Joseph	*Illinois*
Golub, Hyman William, B.S.	*Illinois*
Greenlee, Max Russell, A.B.	*Iowa*
Halpern, Isadore	*Illinois*
Hantover, Matthew J.	*Illinois*
Harris, Harry Clay	*Alabama*
Hatzis, Peter Nicholas, B.S.	*Illinois*
Hedberg, Carl Adel, B.S.	*Michigan*
Hoffman, Samuel Julian	*Illinois*
Hruby, Frank Edward	*Illinois*
Hubbard, Roger Wolcott, B.S.	*Illinois*
Iglowitz, Max, B.S.	*Illinois*
Isenhart, Lawrence Francis, B.S.	*Illinois*
Jackson, Thomas, B.S.	*Illinois*
James, Walter Franklyn	*Illinois*
Jurgens, Johanas John	*Illinois*
Kantor, Jennie, B.S.	*Wisconsin*
Kearns, Jerry Joseph	*Illinois*
Kelso, Raymond William	*Illinois*
Killinger, Donald William, B.S.	*Illinois*
Koehler, Elmer George	*Illinois*
Kratz, Leonard Avii, B.S.	*South Dakota*
Kroeger, Clarence Roland, B.S.	*Arizona*
Krohn, Robert, B.S.	*Wisconsin*
Law, Philip Montgomery	*Wisconsin*
Lazar, Nathan Kent, B.S.	*Illinois*
Lee, Seymour Rowland	*Minnesota*
Lester, Rollin Harold	*Illinois*
Levin, Maurice	*Illinois*
Levin, Samuel Arthur	*Illinois*
Levy, Jacob	*New Jersey*
Lewerenz, Carl Theodore, B.S.	*Illinois*
Lieberman, Ben, B.S.	*Wisconsin*
Liebermann, Albert Bellack, B.S.	*Wisconsin*
Lifshin, Jacob Aaron, B.S.	*Illinois*
McDaniel, Paul Howard	*Illinois*
McIntyre, Ellridge Albert	*Illinois*
McLean, Daniel Richard	*Illinois*
Mark, Reuben, B.S.	*Illinois*
Marshall, Alex George, B.S.	*Illinois*
Massel, Hymen M., B.S.	*Illinois*
Mizock, Joseph Jacob	*Illinois*
Mullen, Timothy Francis, B.S.	*Illinois*
Nelson, Samuel Bennet, B.S.	*Illinois*
Nowlin, Wilfred Jonathan	*Illinois*
Peluse, Samuel, B.S.	*Illinois*
Pertzoff, Leo George, B.S.	*Russia*

Pintzow, Michael Zalman	*Illinois*
Polse, Max Louis, A.B., B.S.	*California*
Porter, Elza Carl, B.S.	*Ohio*
Poser, Edward Falk, B.S.	*Wisconsin*
Pumphrey, Loira Carl	*Illinois*
Raymond, Sidney Wallace, B.S.	*Illinois*
Robertson, Russell Lindsay	*North Carolina*
Robinson, Leon Edward, A.B.	*Illinois*
Roe, Maurice Alexander, B.S.	*Illinois*
Rooney, Eugene John	*Illinois*
Rosenberg, Robert	*Illinois*
Rosenblum, Abraham Irving, B.S.	*Illinois*
Ruffolo, Anthony Frank, B.S.	*Wisconsin*
Ryder, Bruce Ivan, B.S.	*Illinois*
Sarven, James David, A.B., B.S.	*Florida*
Schiavone, Joseph M.	*Illinois*
Schirmer, Elizabeth Helene, B.S.	*Illinois*
Schultz, Louis William, D.D.S., B.S.	*Illinois*
Schwartz, Max J.	*Illinois*
Seid, Reuben	*Illinois*
Seinfeld, Samuel Gero	*Illinois*
Selden, Bryant Richard, B.S.	*Illinois*
Sender, Frank Robert	*Illinois*
Shurtz, Richard C., B.S.	*Illinois*
Snow, Lucille Hammel	*Illinois*
Stoll, Charles Gilbert, B.S.	*Illinois*
Sullivan, Samuel John, B.S.	*Illinois*
Switzer, Lars Waldorf, B.S.	*Michigan*
Taylor, Eugene Emerson, B.S.	*Illinois*
Tenczar, John Francis, B.S.	*Illinois*
Tepper, Gilbert Bernard, B.S.	*Illinois*
Tigay, Clara Deborah, A.B.	*Illinois*
Tracy, Grover, A.B.	*Illinois*
Turner, Edward Claude, A.B.	*Illinois*
Waggoner, Charles Van Epps, A.B., B.S.	*Iowa*
Wiese, Max Edward	*California*

SECOND YEAR CLASS

Abraham, Samuel Victor	*Illinois*
Alexander, John Richardson	*Illinois*
Anderson, Dwight Wilson	*Illinois*
Austin, Amon	*British Guiana, S. A.*
Bagley, Frank Albert	*Missouri*
Baker, Alonzo Newton	*Illinois*
Baldridge, William Odus	*Indiana*
Bartels, Elmer C.	*Ohio*
Bayles, Raymond Giblon	*Kansas*
Bell, Joseph Sloan	*Illinois*
Belous, Leon Philip	*Illinois*

Blackard, William James	*Illinois*
Blickhan, Norbert Alois	*Illinois*
Boikansky, William	*Illinois*
Bowers, Roscoe Rufus	*Illinois*
Bown, Albert Joseph	*Illinois*
Brown, Cecil David	*Illinois*
Brown, Florence Amelia	*Illinois*
Cain, Con Rice	*Illinois*
Caro, Marcus R.	*Illinois*
Carswell, James, Jr.	*Illinois*
Clayberg, Harold D., A.B., M.S., Ph.D.	*Illinois*
Cohan, Arthur Rest	*Illinois*
Cohen, Abraham Emil	*Illinois*
Cooper, William Henry	*Illinois*
Cywinski, Casimir Arthur	*Illinois*
Dewhirst, Ernest Maxwell	*Illinois*
Dunne, Numa Pompilius	*Arizona*
Ellis, Harry David	*Illinois*
Fabricant, Noah Daniel	*Illinois*
Fallon, Walter Raymond, Ph.G.	*Illinois*
Ferguson, Fred Grant	*Illinois*
Finesilver, Ilia	*Illinois*
Fishman, Louis Zollo	*Illinois*
Fishel, John Virgil	*Illinois*
Franklin, Dorothy Miriam, A.B.	*Arizona*
Gaberman, Peter	*Illinois*
Glasgow, Glen Earl	*Illinois*
Goldberg, Abraham Hyman	*Illinois*
Gorfinkel, Leon Harold	*Illinois*
Grabarski, Edward A.	*Illinois*
Haley, Paul Edward	*Illinois*
Healy, Cornelius Edward	*Illinois*
Herron, Earl	*Illinois*
Holt, Janette Louise	*Illinois*
Holtz, Carl J. H.	*Illinois*
Hutchens, Lucius Lester	*Illinois*
Hutson, Hubert Spangler, Ph.G.	*Illinois*
Jacobson, Herman Alfred	*Illinois*
Jacobson, Jacob Robert	*Illinois*
Jodar, Emery Orville	*Illinois*
Jordan, Donald Voorhees	*Minnesota*
Karabin, Andrew Leroy	*Illinois*
Kionka, Paul Frederick	*Illinois*
Kishpaugh, Harold William	*Illinois*
Kistner, Arthur Wesley	*Indiana*
Kopple, Abraham Louis	*Illinois*
Kraut, Harry	*Illinois*
Lauer, Calvin Albert	*Illinois*
Lauten, William Frederick	*Illinois*

Leach, Jule Gurtler	*Illinois*
Levy, Mayer Harold	*Illinois*
Lidovsky, Betty	*Illinois*
Logan, Francis William	*Russia*
McDaniel, Lee Roy	*Illinois*
McGee, John Paul, B.S.	*Pennsylvania*
McMillan, Foster Lamont	*Illinois*
Marks, Jacob L.	*Illinois*
Mason, John C.	*Illinois*
Milles, George, Ph.G.	*Illinois*
Nash, Herbert Thomas	*Illinois*
Okada, Haruto	*Hawaii*
Parmacek, Louis	*Illinois*
Peterson, Ralph Otis	*Illinois*
Quillman, Frank L.	*Illinois*
Rapp, Henry Emil	*Illinois*
Richburg, Welton Edwin	*Illinois*
Roan, Charles Frederick	*Illinois*
Robertson, Elizabeth Jane	*Illinois*
Rosenblum, Albert Frank	*Illinois*
Rosenthal, Sol	*Illinois*
Sarnoff, Herbert Spencer	*Illinois*
Schiff, Morris Joseph	*Illinois*
Schorr, Arthur Melville	*Illinois*
Schroeder, Sophie Willene	*Illinois*
Sideman, Sidney	*Illinois*
Slutzkin, Sergius Felix	*Illinois*
Sodaro, Nicholas Ernest	*Illinois*
Sokol, Louis Irwin	*Illinois*
Stein, Clarence Cornelius	*Illinois*
Stollar, Clyde Peter	*West Virginia*
Tarry, George William	*Illinois*
Topping, Malachi Combs	*Illinois*
Waldman, Leonard Francis	*Illinois*
Wanger, Halvard	*Illinois*
Wegrzyn, Louis Stanley	*New Jersey*
Western, Fred Burnham	*Illinois*
Williams, Wilburn Jewell	*Missouri*

FIRST YEAR CLASS

Aaronson, Abe Louis	*Illinois*
Adams, Wright Rowe	*Illinois*
Anderson, Kenning Meredith	*Illinois*
Aronson, Jacob Morris	*Illinois*
Atherley, Edgar Horatio	*British West Indies*
Barone, Anthony Martin	*Illinois*
Bass, Jewell Lee	*Illinois*
Bensema, Clarence E.	*Illinois*
Berliant, Mary Genevieve	*Illinois*

Bishop, John Lester	*Illinois*
Boyd, John Richard	*Illinois*
Brandenberger, Arthur Russell	*Illinois*
Brandon, Lorimer Miller	*Illinois*
Braunstein, Benjamin Davis	*Illinois*
Brooks, Clyde M.	*Illinois*
Burstein, Hyman Jack	*Illinois*
Byloff, Forrest G.	*Illinois*
Carelli, Paul Vincent, Jr.	*Illinois*
Carmondy, James Patrick	*Illinois*
Chapman, Morey	*Illinois*
Clark, Anson Luman	*Illinois*
Cook, Kenneth George	*Illinois*
Craig, Carlos C.	*Illinois*
Danziger, Fred	*Illinois*
DeTrana, George Edward	*Illinois*
Eggers, Henry William	*Indiana*
Ekstrand, Rowland Magnus	*Illinois*
Elkin, Eugene	*Illinois*
Finne, Burton Albert	*Illinois*
Fletcher, Gordon VanBuren	*Illinois*
Fischman, Peter Paul	*Illinois*
Franco, Joseph	*Illinois*
Freytag, Theodore Julius W.	*Illinois*
Gernon, John Talbot	*Illinois*
Gist, Elizabeth Colver	*West Virginia*
Gittlestein, Fred	*Illinois*
Glassman, Frank	*Illinois*
Greenfield, Michael	*Illinois*
Gurevitz, Julius	*Illinois*
Handtmann, John Jacob	*Illinois*
Hannan, Esther M.	*Illinois*
Haskins, Frederick E.	*Illinois*
Hayes, Tom George	*Illinois*
Heffron, Roderick	*Illinois*
Heissig, Ida	*Illinois*
Hill, Harold Herrin	*Illinois*
Hillebrand, John George	*Illinois*
Holmes, Wendel Francis	*Illinois*
Holten, Edmund H.	*Illinois*
Illyes, David Frank	*Illinois*
Jacobs, Frank D., Jr.	*Illinois*
Just, Joseph Hynek	*Illinois*
Kane, Clyde Ernest	*Illinois*
Keren, Meyer Jacob	*Illinois*
Kesert, Benjamin	*Illinois*
Kirchner, Herbert John	*Illinois*
Kirshbaum, Jack	*Illinois*
Klein, Sidney	*Illinois*

Knudson, William Howard	*Illinois*
Koczy, Semen	*Illinois*
Koestner, Paul A.	*Illinois*
Kupperman, Fred	*Illinois*
Lavieri, Frank Joseph	*Illinois*
Levin, Herman	*Illinois*
LeVine, Howard Jack	*Illinois*
Levitt, Louis Leo	*Illinois*
Libman, Minna A. B.	*Illinois*
Lifchultz, Leo	*Illinois*
Martin, Cecil Lawrence	*Illinois*
Melnick, Perry Julius	*Illinois*
Meyer, Hershel	*Illinois*
Michael, Oscar James	*Illinois*
Mortimer, Harold M.	*Illinois*
McCrackin, Robert Harrawalt	*Illinois*
McGee, Frank Joseph	*Illinois*
MacLeod, Sidney James	*Illinois*
Neri, Roque	*Philippine Islands*
Nowak, John Michael	*Illinois*
Olivo, Anton	*Illinois*
O'Neill, Clement Paul	*Illinois*
Orr, Eli Holmes	*Illinois*
Padnos, Emanuel	*Illinois*
Pattengale, Uell Treva	*Illinois*
Patterson, Roy Lee	*Illinois*
Pearlman, Ben	*Illinois*
Pence, Dwight	*Illinois*
Petri, Kenneth Norman	*Illinois*
Pritchett, Everett Howard	*Illinois*
Pugh, Cloyd	*Illinois*
Ray, Glenn Raymond	*Illinois*
Reichman, Martin Abraham	*Illinois*
Reisch, Jacob Edgar	*Illinois*
Ritchie, Cyril Brown	*Idaho*
Ritter, Vern W.	*Illinois*
Rosales, Leo	*Illinois*
Rosenberg, Isaac Henry	*Illinois*
Schowengerdt, William Henry	*Illinois*
Scuderi, Carlo Salvadore	*Illinois*
Shapiro, Isadore M.	*Illinois*
Shellow, Harold	*Illinois*
Simmons, Daniel A.	*Illinois*
Smedley, Robert C.	*California*
Smith, Carey M.	*Illinois*
Smothers, Charles Washington	*Alabama*
Solliday, Monroe Franklin	*Illinois*
Spelman, Arch E.	*Illinois*
Starcevich, Paul Joseph	*Illinois*

Stathakis, Constantine Theodore	*Illinois*
Steinkopff, Edward Karl	*Illinois*
Stevens, Marion George	*Illinois*
Stevens, Philip Henry	*Illinois*
Stilwell, Leland Manford Thomas	*Illinois*
Straube, Alfred G.	*Wisconsin*
Swenson, Henning Melville	*Illinois*
Tuck, Hazen Moore	*Illinois*
Twitchell, Standlee Irving	*Illinois*
Vacin, Milo Edward	*Illinois*
Vinke, Theodore Henry	*Illinois*
Webb, Arthur Sterling	*Missouri*
Weidner, Morris Robert, Jr.	*Illinois*
Weinstein, Sol Morton	*Illinois*
Weir, Edgar Wilkin	*Illinois*
Wetzel, James Walker	*Illinois*
Whittaker, Lawrence Forrest	*Illinois*
Willis, Lyle Joseph	*Illinois*
Wilson, Ona 'Verne	*Illinois*
Wing, Herbert John	*Illinois*
Woodford, Lester Melvin	*California*

UNIVERSITY OF ILLINOIS
THE GRADUATE SCHOOL

Graduate Courses in Medical Sciences

Departments of

Anatomy, Pathology and Bacteriology, Pharmacology, Physiology and Physiological Chemistry

Announcement for
Summer Quarter of 1925
June 15—September 5, and
Session of 1925-26,
1925

THE GRADUATE SCHOOL

THE EXECUTIVE FACULTY[1]

David Kinley, Ph.D., LL.D., President of the University

Arthur Hill Daniels, Ph.D., *Professor of Philosophy and Dean of Graduate School*
Roger Adams, Ph.D., *Professor of Organic Chemistry*
Ernest Bernbaum, Ph.D., *Professor of English*
William Leonidas Burlison, Ph.D., *Professor of Crop Production*
Edward Herbert Cameron, Ph.D., *Professor of Educational Psychology*
Albert Pruden Carman, A.M., D.Sc., *Professor of Physics*
William Abbott Oldfather, Ph.D., *Professor of Classics*
William Spence Robertson, Ph.D., *Professor of History*
Henry Perley Rusk, M.S., *Professor of Beef Cattle Husbandry*
Arthur Newell Talbot, C.E., D.Sc., D.Eng., *Professor of Municipal and Sanitary Engineering and in charge of Theoretical and Applied Mechanics*
Fred Wilbur Tanner, Ph.D., *Associate Professor of Bacteriology*
Edgar Jerome Townsend, Ph.D., LL.D., *Professor of Mathematics*
Henry Baldwin Ward, Ph.D., D.Sc., *Professor of Zoology*
Arthur Cutts Willard, B.S., *Professor of Heating and Ventilation*
George Philip Tuttle, Jr., B.S., *Registrar and Secretary of the Executive Faculty*

STANDING COMMITTEE ON GRADUATE WORK IN THE MEDICAL SCIENCES

Henry Baldwin Ward, Ph.D., *Chairman*
Albert Chauncey Eycleshymer, Ph.D., M.D.
Frederick Brown Moorehead, M.S., D.D.S., M.D.
David John Davis, Ph.D., M.D.
William Henry Welker, Ph.D., *Secretary*

THE TEACHING FACULTY[2]

1924-25

Albert Chauncey Eycleshymer, Ph.D., M.D., *Professor and Head of the Department of Anatomy and Director of Graduate Work in the Medical Sciences*
David John Davis, Ph.D., M.D., *Professor and Head of the Department of Pathology*
Hugh Alister McGuigan, Ph.D., M.D., *Professor and Head of the Department of Pharmacology, Materia Medica, and Therapeutics*
William Henry Welker, Ph.D., *Professor of Physiological Chemistry*
Victor Emanuel Emmel, Ph.D., *Professor of Anatomy*
Roy Lee Moodie, Ph.D., *Associate Professor of Anatomy*
William F. Peterson, M.D., *Associate Professor of Pathology*
Otto Frederick Kampmeier, Ph.D., M.D., *Associate Professor in Anatomy*
Richard Hermann Jaffe, M.D., *Associate in Pathology and Bacteriology*

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[1] The administration of the Graduate School is conducted by the Executive Faculty, appointed from year to year by the President on nomination of various departments and recommendations of the Dean of the Graduate School.

[2] The Teaching Faculty includes all those who at any time give courses of strictly graduate character. Such courses are accepted for major credit and are numbered one hundred and upwards. For the present such courses are offered by the above faculty.

GRADUATE WORK IN THE MEDICAL SCIENCES

ADMISSION

Admission to the Graduate School may be granted to graduates of institutions whose requirements for the bachelor's degree are substantially equivalent to those of the University of Illinois, and to applicants from other institutions approved by the Executive Faculty, as hereinafter provided. *Admission to the Graduate School does not, however, imply admission to candidacy for an advanced degree, and gives no right or claim to be so admitted. Such candidacy is determined by the faculty after the student has demonstrated by his work here, for from two to five months, that he has ability to do major work of graduate character. A mere accumulation of "credits" or "grades" is not sufficient.*

Admission to graduate courses may be granted only to those who have had the requisite undergraduate work in those courses or departments. But a student of mature age who satisfies the Director and the department concerned of his ability to pursue graduate work in a given line may be enrolled in particular graduate courses, without reference to a degree, and permitted to carry on such study or investigation under the direction of a department of the University as the department shall recommend and the Dean approve.

Application blanks for admission may be secured from the Registrar of the University. Every applicant must submit with his application for admission an official transcript of his college record.

REGISTRATION AND PROGRAM OF STUDY

The following regulations concerning registration and program of studies are laid out primarily for first-year students. Second-year and third-year graduate students fill out their programs irrespective of the unit value of courses, according to their needs, under the advice of their instructors.

Registration.—Each graduate student must register when he first connects himself with the University, and afterwards at the beginning of each semester.

The registration of a new student may be accepted at any time provided the student is prepared to take up courses actually under way. Credit towards the fulfillment of the residence requirement dates, however, from the time of registration and not from the beginning of the semester or year in which the student enters. Registration will not be permitted later in the year than April 1, except in the case of students who expect to continue through the summer session, or are returning to complete a year's work which has been broken into by illness or other unavoidable interruption.

The first registration, or that on entrance, is permitted only after the student's application for admission to the Graduate School, setting forth his educational attainments, has been duly approved.

Seniors and Graduate Study.—If at the beginning of the second semester of his senior year a student is within five hours of a bachelor's degree, he may be permitted to register for courses which may count for residence for a master's degree; provided his program does not require more than twelve formal class, lecture, or laboratory exercises a week, and is approved by the Dean at the time of registration.

In no case may courses be counted for graduate credit on a program which requires more than twelve formal class, lecture, or laboratory exercises a week.

Failures.—A graduate student who fails in any course in his major subject cannot secure his degree in the same year in which the failure occurred. No condition examinations are given graduate students.

Students on the Staff.—Assistants and others on the University staff who undertake to do graduate work are permitted to take an amount of work determined by the terms of their employment. Such a student, if required by his engagements to teach more than five classes a week or to have laboratory work or supervision exceeding ten hours a week, may not receive his master's degree at the end of one year, nor his doctor's degree at the end of three.

Residence and Work Done Elsewhere.—Continuous residence and study are required of all members of the Graduate School, unless they are granted leave of absence by the Director, upon recommendation of the professor in charge of their work, for the purpose of carrying on elsewhere studies or investigation in the line of work for their degrees.

Members of the staff who have done graduate work in approved institutions elsewhere may secure credit not to exceed four units towards the master's degree by passing examinations in that work. They may complete the work for the degree by securing at least four units more while registered in the Graduate School for not less than one academic year.

Withdrawal.—If after resignation a graduate student wishes to withdraw from any course or to add other work, he must first secure the necessary papers from the Director's office. (See the regulations concerning changes in study lists, page 9 of the Graduate School Circular.) If he wishes to withdraw from the University he must get clearance papers at the Director's office.

DEGREES

The Degree of Master of Science

Character of Masters' Degrees.—The master's degree conferred depends upon the character of the bachelor's degree. The usual practice is that A.M. shall follow A.B., and that M.S. shall follow B.S. However, this practice may be departed from in cases where the undergraduate course of study was of a kind for which some reputable institutions in this country give A.B., while others give B.S. Such departure from the regular practice is permitted, however, only on individual petition duly approved.

Amount of Work Required.—Candidates for the degree of Master of Arts or Master of Science are required to do at least one full year's work in residence, including a thesis. By this is meant from four to five unit courses each semester, or their equivalent. A unit course is one which requires ten hours of time a week through one semester, or fifteen hours of time a week through the summer quarter of twelve weeks, irrespective of the mode of distribution of that time in class work, laboratory work, and private study. Four such courses or their equivalent constitute a full *minimum* program for one semester, and eight such courses, or their equivalent, constitute the *minimum formal* year's work accepted for a master's degree. Only first-rate students are permitted to secure a degree with this minimum program.

Unless otherwise permitted, on individual petition duly approved, every student must take each semester at least one course open to graduate students only (courses numbered 100 and upwards).

In the first year of his graduate study each student is required to attend a minimum of four formal class, lecture, or laboratory exercises a week. In no case is he permitted during his course to attend more than twelve a week, without permission.

Grades.—Students' work is graded in five classes, A, B, C, D, and E. The last indicates a failure. D indicates unsatisfactory, though passable, work.

A student who receives two units of a grade below B during his first year of graduate work may not complete the first year of residence by carrying the minimum program of eight units for the master's degree. Three units of a grade below B disqualify a student as a candidate for a degree.

A failure or absence from examination in any course may prevent the conferring of the degree; and, as already indicated, failure in any course in the major field precludes the conferring of the degree in the same year.

Majors and Minors.—A candidate for a master's degree may do all his work in one subject, or he may select a major and one minor, or a major and two minors. A major or minor denotes the field of knowledge of a department, or such part thereof as constitutes a separate and independent division of that field. For a master's degree a major is at least half the work, or a minimum of four units, for one year. Less than one unit may not be counted as satisfying the requirements of a minor without the approval of the department concerned.

Foreign Language.—The ability to use one or more of the modern languages ordinarily studied in the undergraduate curriculum is expected of all candidates for the master's degree, and in some lines of study is required. On this matter students should consult the heads of the departments in which their major subjects lie.

Master's Thesis.—Each candidate for a master's degree is required to present a thesis on some subject approved by the professor in charge of his major work and the Executive Faculty of the Graduate School. The thesis subject must be sent to the Dean of the Graduate School for approval by the Executive Faculty before the completion of the first third of the work for the degree. The requirement of a thesis may be waived, however, upon the recommendation of the head of the department in which the student is doing his major work and the approval of the Director, provided application to waive the thesis is made at the beginning of the year. A student excused from writing a thesis must replace it with additional courses of instruction.

No one will be excused from writing a thesis unless one-half of his program of studies consists of courses numbered 100 and upwards.

The thesis required from a candidate for a master's degree ordinarily will demand one-fourth of the student's time and may not exceed one-third of it. The thesis must be typewritten, on "thesis-paper,"[1] and the title page must be printed. The thesis in its final form, together with a certificate of approval by the proper officer, must be sent by the professor in charge to the Dean's office at least two weeks before the date on which the degree is to be conferred. No article prepared for another use, or previously published, will be accepted as a thesis.

Under proper conditions a student may be permitted to complete the last fourth of his work, if devoted to his thesis, under leave of absence. To get such permission the student must have secured proper credit for at least six units; must petition for the privilege; must submit to the Dean an outline of the proposed investigation, approved by the head of his major department; and must submit satisfactory evidence that adequate facilities are available to him at the place where he intends to do the proposed work. Approval on all these points must be obtained one collegiate year before the thesis is due.

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[1] No other will be accepted by the Dean. "Instructions for the Preparation of Theses" may be obtained at the Secretary's Office, Room 309.

The Degree of Doctor of Philosophy

Major and Minor Subjects.—A member of the Graduate School who desires to become a candidate for the degree of Doctor of Philosophy is required to pursue a major subject in the department in which his research lies. He is also required to choose one minor subject, or he may choose two. If one minor only is chosen it must be taken in a department of study other than that of the major, and credit for it may be earned by work representing not less than four units, or one-sixth of the total residence required for the doctorate. If two minors are chosen, one must be a subject closely related to the major. With the approval of the adviser it may be a division of the major field of study. If the second minor is outside the department of major study, it may be satisfied by work representing not less than two units or one-fourth of a year of residence.

Except by special permission of the Dean the preliminary examination in major and minor subjects may not be taken until the minor work has been done.

Method of Computing Residence.—Credit for a full year of graduate work means that the student has during that time devoted all his working time and energy to study of a graduate grade. After the first year of residence credit is not recorded in units, and there is no fixed correspondence between credit and course as in undergraduate work. Thus it is possible for a second-year student to devote all his time to one course and his research; and for a third-year student to devote all his time to his research work alone.

Period of Study.—The *minimum* period of study required for securing the degree of Doctor of Philosophy is three years, during which the student is required to devote all his working time to his studies. All three years must be spent in residence at some accredited educational institution, and either the first two or the last one of the three must be spent at the University of Illinois. The degree is conferred, however, not for residence during a certain period, but for scholarly attainments and power of investigation, as proved by thesis and examinations.

Work Done in Other Universities.—Credit for graduate work done in other universities is not "transferred." However, it may be accepted on examination as equivalent to resident work at the University of Illinois, provided the institution in which it was done is of high standing.

EXAMINATIONS

Preliminary.—A. In major and minors.—Toward the end of his second year of study, or by special permission, at the beginning of his third year, the candidate for the degree must submit to a preliminary examination, in order to determine whether he will be accepted as a candidate for the degree in the following year. This examination is intended to test the student's knowledge of the fields of his major and minor subjects of study only. It is partly oral, and may be wholly so.

The student will not be admitted to his preliminary examination until the faculty is satisfied that he has finished substantially the equivalent of two years' graduate work. He must do a full year's graduate work between his preliminary examination and the completion of his work for the doctorate.

B. In Languages.—The candidate will be required to demonstrate his ability to read French and German and other languages needed in his work. This test of proficiency in the use of French and German must be passed before the student is admitted to the preliminary examination in major and minor subjects.

Final Examination.—At least two weeks before the time when the degree is conferred, the candidate must submit to a final examination, given by a committee appointed by the Dean. This examination is primarily on the research work of the student, as embodied in his thesis, but is not confined to that. It extends to the whole field of study of the candidate. It will not be confined to the courses which the candidate has attended in the University of Illinois only, if he has done part of the work elsewhere; nor even to the field covered by the courses specifically taken in this or other universities; but will be so conducted as to determine whether the candidate has a satisfactory grasp of his major subject as a whole, and a general acquaintance with the fields of knowledge represented by his course of study.

The final examination may not be divided. The examination must be taken all at one time even tho it requires several sessions.

If after having passed his preliminary examination, he fails in the third year of his study to meet the expectations of the professors in charge of his work, or in any way fails to maintain the standard of scholarship and power of research expected of him, he may be refused admission to the final examination.

Other Examinations.—Before the candidate is admitted to the final examination and the defense of his thesis, he may be required to take any other examination, oral or written, that is thought proper by the various departments in which he has studied.

The above examinations are in addition to those in the courses for which the student is registered. These must be taken at times for which they are set in the examination schedule.

Thesis.—The power of independent research must be shown by the production of a thesis on some topic connected with the major subject of study. The candidate is expected to defend his thesis or dissertation before the members of the faculty, or as many of them as may wish to question him about it, in connection with his final examination.

The subject of the thesis should be chosen not later than the end of the second year of residence and must be submitted for formal approval by the faculty not later than six weeks from the beginning of his third year of residence.

A typewritten copy of the complete thesis, *on thesis paper*,[1] and in final form must be deposited in the office of the Dean for presentation to the examining committee not later than two weeks prior to the final examination, and not less than four weeks before the time when the degree is conferred. At the same time, the candidate must deposit with the Dean a manuscript of the essential part, or an abstract, or a digest of his thesis, in condition for publication at a cost not to exceed seventy-five dollars ($75). The manuscript must be sufficient to show the method followed, the evidence used and the conclusions reached in the investigation, and must bear the approval of the department and the Executive Faculty of the Graduate School.

The candidate must pay to the Comptroller before graduation the sum of seventy-five dollars ($75) out of which the University will print at least one hundred copies of this manuscript for circulation by the University, unless the thesis entire or in abbreviated form is published by the author or is accepted for publication by a standard journal or publisher within a year from the date of graduation. In the latter event, and after one hundred copies have been presented to the University by the writer, the cash deposit shall be returned to him.

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[1] No other will be accepted by the Dean.

The typewritten and printed forms of the thesis must comply with the regulations given in "instructions for the preparation of masters' and doctors' theses," copies of which may be obtained at the Dean's office on application.

Fees and Expenses.—Except as noted below, graduate students in medicine pay fees as follows:

Matriculation fee	$10.00
Incidental fee (summer quarter)	20.00
Students not residents of Illinois pay an incidental fee of	30.00
Incidental fee (semester)	25.00
Students not residents of Illinois pay each semester an incidental fee of	37.50
Laboratory deposit (each quarter or semester)	15.00
Diploma fee	10.00

GRADUATE SCHOLARSHIPS AND FELLOWSHIPS

A number of scholarships and fellowships have been established by the Trustees of the University. To first-year graduate students of ability and promise there are open a number of scholarships with a stipend of $300 each and freedom from tuition, incidental and laboratory fees. To second-year and third-year graduate students, that is, those who have had one or two years of graduate study, there are open fellowships with a stipend varying from $400 to $500, with freedom from the above-mentioned fees. The larger stipends are given only to students who are expected to take their degrees within the year. Each holder of a fellowship or scholarship must pay the matriculation fee of ten dollars, unless he holds a first degree from the University of Illinois, and also the diploma fee of ten dollars on receiving his diploma.

Candidates for these scholarships and fellowships must be graduates of the University of Illinois or of colleges or universities having equivalent requirements for bachelors' degrees.

Application must be made on blanks to be obtained from the Dean of the Graduate School. These application forms should be sent to the Dean of the Graduate School as early as possible in February of the academic year preceding that for which the fellowship is desired. No application will be considered if received later than March first, until after April fifteenth, the date when appointees from the first list of applicants must accept or refuse their appointments.

Persons appointed are notified on April first and must send the Secretary of the Board of Trustees notice of their acceptance or refusal by April fifteenth and must agree that, if accepted, the appointment will not be resigned to take a similar one in any other institution during the year for which it is awarded.

Nominations to fellowships are made on the grounds of worthiness of character, scholastic attainments, and promise of success in the principal line of study or research to which the candidate proposes to devote himself. Scholarships and fellowships are not given to candidates who are over thirty years of age at the time when the appointment is to be made.

An appointment as honorary fellow, without stipend, may be made as specified for paid fellowships in the case of one who has shown distinguished merit in his work.

All graduate students who have not matriculated as undergraduates at the University of Illinois pay the matriculation fee on entrance.

All graduate students pay the diploma fee on being recommended for their degrees.

No tuition or incidental fee is charged for graduate courses to members of the corps of instruction, or of the staffs of the scientific bureaus of experiment stations who are appointed by the Board of Trustees, nor for undergraduate courses on their study lists if approved by the heads of the departments and by the Dean of the School as necessary or desirable for the proper completion of the work for the degree.

Each student working in laboratories is required to make a deposit of fifteen dollars to pay for chemicals and apparatus used and for any breakage or damage. No charge or deposits for laboratory materials are required from members of the corps of instruction or the scientific staffs mentioned above.

LIBRARY

Adequate library facilities are essential to the prosecution of graduate work and research. In the library of the College of Medicine may be found files of journals, monographs, separates, and standard texts supplying nearly every need.

The Quine Library.—The Library contains the chief standard text-books and works of reference, various monographs, collections of separates, and files of the best medical journals. Other files are being added as rapidly as possible.

DEPARTMENTS OF INSTRUCTION

ANATOMY

101. Histogenesis.—A study of the structural changes in tissues and their elements, which are directly correlated with normal processes, such as growth, activity, rest, fatigue, senility. Laboratory course with occasional lectures and assigned reading. *One or two units.*

Professor Eycleshymer, Professor Emmel, Associate Professor Moodie, and Associate Professor Kampmeier

103. Individual Research and Embryology and Histogenesis.—*One or two units.*

Professor Eycleshymer, Professor Emmel, Associate Professor Moodie, and Associate Professor Kampmeier

PHARMACOLOGY

101. Advanced Pharmacodynamics.—Laboratory work.—*One or two units.*

Professor McGuigan

103. Research Work in Pharmacodynamics.—*One or two units.* Professor McGuigan

PHYSIOLOGY AND PHYSIOLOGICAL CHEMISTRY

101. Advanced Biological Chemistry.—Biochemical methods of research, biological colloids, enzyme action, and metabolism.—*One or two units.* Professor Welker

103. Biochemical Research.—*One or two units.* Professor Welker

105. Advanced Physiology.—An introduction to original work in Experimental Physiology. Individual instruction in fundamental methods. Laboratory course.—*One or two units.* ————————

109. Research Work in Physiology.—*One or two units.* ————————

PATHOLOGY AND BACTERIOLOGY

101. Advanced Pathogenesis.—Etiology and pathogenesis of certain diseases with especial consideration of the role that the lower animals play in the transmission of human disease. Lectures, conferences, demonstrations, assigned readings.—*One or two units.* Professor Davis, Professor Petersen, and Dr. Jaffe

103. Individual Research Course.—*One or two units.*

Professor Davis, Professor Petersen, and Dr. Jaffe

REGISTER OF STUDENTS

GRADUATE SCHOOL

1924-1925

SUMMER QUARTER 1924

Bengtson, Bengt Norman—Bacteriology. B.S., 1923. Chicago.

Bullock, Norman Charles—Bacteriology. B.S., 1924. Rockford, Ill.

Cohen, Seymour Jerome—Pharmacology. B.S., 1917; M.S., 1917 (University of Chicago); M.D., 1919 (Rush Medical College). Chicago.

Ets, Harold Norris—Pharmacology. B.S., 1920 (University of Rochester); M.S., 1923. Rochester, N. Y.

Heinekamp, Walter John Richard—Pharmacology. B.S., 1919; M.S., 1920; M.D., 1923. Chicago.

Lash, Abraham Fae—Bacteriology. B.S., 1919 (University of Chicago); M.D., 1921 (Rush Medical College). Chicago.

Lloyd, Bess Lucile—Anatomy. B.S., 1921 (Northwestern University); M.S., 1923 (Washington University). Genoa, Ill.

Marsh, Howard LaRue—Physiological Chemistry. B.S., 1909; M.S., 1912 (Pennsylvania State College). Oil City, Pa.

Robertson, Robert Crawford—Pathology. A.B., 1921; B.S., 1922. Coulterville, Ill.

Streicher, Michael Henry—Anatomy. B.S., 1922. Chicago.

Weatherford, Harold Lorraine—Anatomy. A.B., 1916; M.A., 1924. Chicago.

SESSION 1924-25

Abraham, Samuel Victor—Bacteriology. A.B., 1923 (University of California). Chicago.

Bagley, Frank Albert—Pathology. Kansas City, Mo.

Baker, Alonzo Newton—Physiology. Marion, Ill.

Bengtson, Bengt Norman—Bacteriology. B.S., 1923. Chicago.

Berardi, James—Pharmacology. Ph.G., 1921; B.S., 1924. Chicago.

Birch, Carroll LaFleur—Anatomy. B.S., 1920 (University of Pennsylvania). Providence, R. I.

Bown, Albert Joseph—Bacteriology. Chicago.

Brown, Cecil David—Anatomy. Harristown, Ill.

Bullock, Norman Charles—Bacteriology. B.S., 1924. Rockford, Ill.

Burns, Melton Burdett—Pathology. B.S., 1924. Salt Lake City, Utah.

Cahanovsky, Meyer—Pharmacology. Chicago.

Canan, Mack Clelland—Pharmacology. B.S., 1924. Bachtown, Ill.

Cohen, Seymour Jerome—Pharmacology. B.S., 1917; M.S., 1917 (University of Chicago); M.D., 1919 (Rush Medical College). Chicago.

Cole, Arthur Gideon—Physiological Chemistry. B.S., 1920 (University of Chicago). Chicago.

Cronwell, Bernhard Johannes, Jr.—Bacteriology. A.B., 1922; B.S., 1924. Hanover, Ill.

Demetropulos, Nicholas Demetrius—Bacteriology. B.S., 1924 (University of Wisconsin). Chicago.

Ets, Harold Norris—Pharmacology. B.S., 1920 (University of Rochester); M.S., 1923. Rochester, N. Y.

Groot, James Tobias—Physiology. B.S., 1920 (University of Chicago); B.S., 1921. Chicago.

Groves, Robert Leroy—Pathology. A.B., 1917 (University of California); B.S., 1922. Chicago.

Haley, Paul Edward—Pharmacology. Woodstock, Ill.

Heinekamp, Walter John Richard—Pharmacology. B.S., 1919; M.S., 1920; M.D., 1923. Chicago.

Herron, Earl—Physiological Chemistry. Chicago.

Huston, Hubert Spangler—Pharmacology. Ph.G., 1916. Chicago.

Jackson, Thomas—Physiological Chemistry. B.S., 1924. Chicago.

Jodar, Emery Orville—Physiological Chemistry. Chicago.

Lash, Abraham Fae—Bacteriology. B.S., 1919 (University of Chicago); M.D., 1921 (Rush Medical College). Chicago.

Lloyd, Bess Lucile—Anatomy. B.S., 1921 (Northwestern University); M.S., 1923 (Washington University). Genoa, Ill.

Marsh, Howard LaRue—Physiological Chemistry. B.S., 1909; M.S., 1912 (Pennsylvania State College). Oil City, Pa.

Milles, George—Pathology. Ph.G., 1921. Chicago.

Richburg, W. Edwin—Anatomy. Centralia, Ill.

Schorr, Arthur—Pathology. Chicago.

Shurtz, Richard Charles—Physiological Chemistry. B.S., 1924. Chicago.

Solomon, Morris Carl—Physiological Chemistry. B.S., 1924 (University of Chicago). Chicago.

Stein, Clarence Cornelius—Physiology. Cisne, Ill.

Streicher, Michael Henry—Anatomy. B.S., 1922. Chicago.

Tracy, Grover—Physiological Chemistry, A.B., 1909 (Pennsylvania College). Chicago.

Westlund, Ruth Elvira—Bacteriology. B.S., 1923 (University of Chicago). Chicago.

DEGREES CONFERRED

Degree of Master of Science

Conferred February 11, 1925

Michael Henry Streicher, B.S.

Conferred June 13, 1925

Robert Leroy Groves, A.B., B.S.

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The College of Commerce and Business Administration (General Business, Banking and Finance, Insurance, Accountancy, Railway Administration, Railway Transportation, Industrial Administration, Foreign Commerce; Commercial Teachers, Trade and Civic Secretaries, Public Utilities, Commerce and Law)

The College of Engineering (Architecture; Architectural, Ceramic, Civil, Electrical, Gas, General, Mechanical, Mining, Municipal and Sanitary, Railway Engineering, and Engineering Physics)

The College of Agriculture (Agronomy; Animal Husbandry; Dairy Husbandry; Farm Mechanics, Farm Organization and Management; Horticulture, Landscape Gardening, and Floriculture; Agricultural Extension; Home Economics)

The College of Law (Three-year and four-year curriculums based on two years of college work)

The College of Education (General Education; Bureau of Educational Research; Athletic Coaching; Agricultural Education; Home Economics Education; Industrial Education; Music Education; University High School)

The Curriculum in Journalism

The Curriculums in Chemistry and Chemical Engineering

The School of Railway Engineering and Administration

The School of Music (four-year curriculum)

The Library School (two-year curriculum for college graduates)

The College of Medicine (in Chicago)

The College of Dentistry (in Chicago)

The School of Pharmacy (in Chicago)

The Summer Session (eight weeks)

Experiment Stations and Scientific Bureaus: U. S. Agricultural Experiment Station; Engineering Experiment Station; State Natural History Survey; Biological Experiment Station on Illinois River; State Water Survey; State Geological Survey; U. S. Bureau of Mines Experiment Station.

The library collections contain February 1, 1925, 644,563 volumes and 86,100 pamphlets. For catalogs and information address

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Urbana, Illinois

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UNIVERSITY OF ILLINOIS CIRCULAR
Pu[illegible] four times a year in the months of March, June, July and August, at Chicago, Ill.

VOL. XII AUGUST, 1926 No. 4

(Entered as second-class matter October 16, 1914, at the post office at Chicago, Illinois, under Act of Congress of August 24, 1912.)
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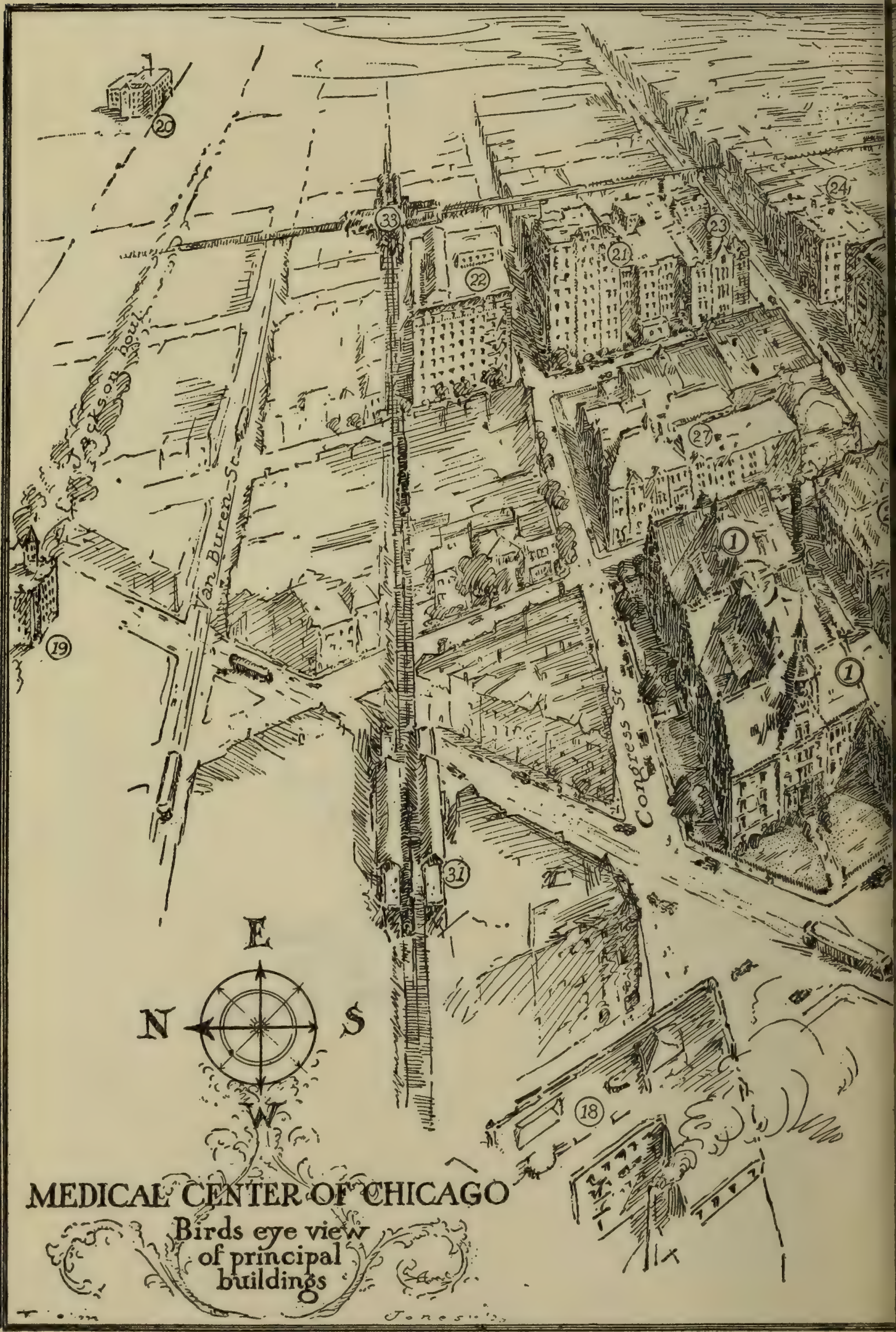
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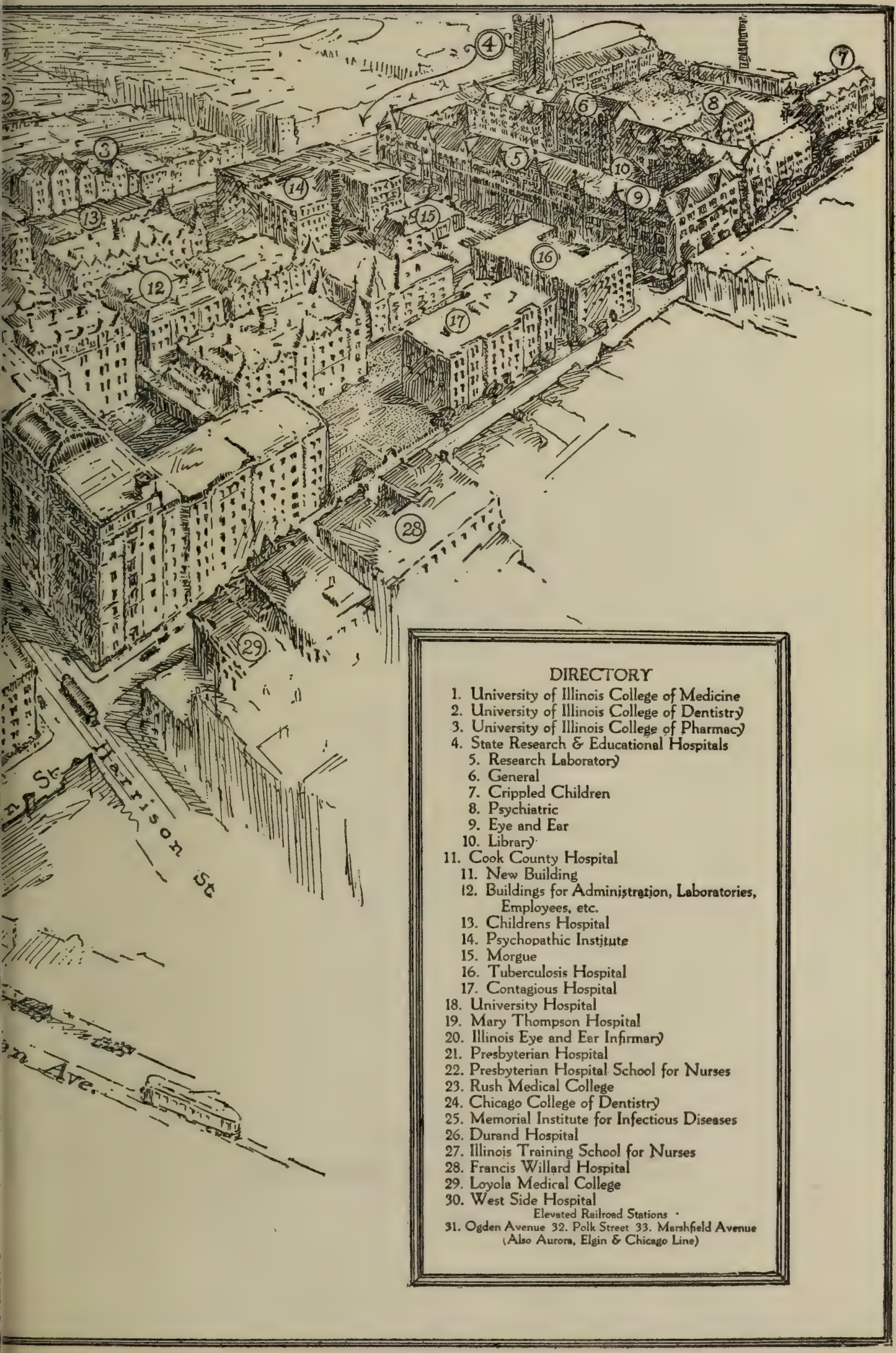
MEDICAL CENTER OF CHICAGO
Birds eye view of principal buildings



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    15. Morgue
    16. Tuberculosis Hospital
    17. Contagious Hospital
18. University Hospital
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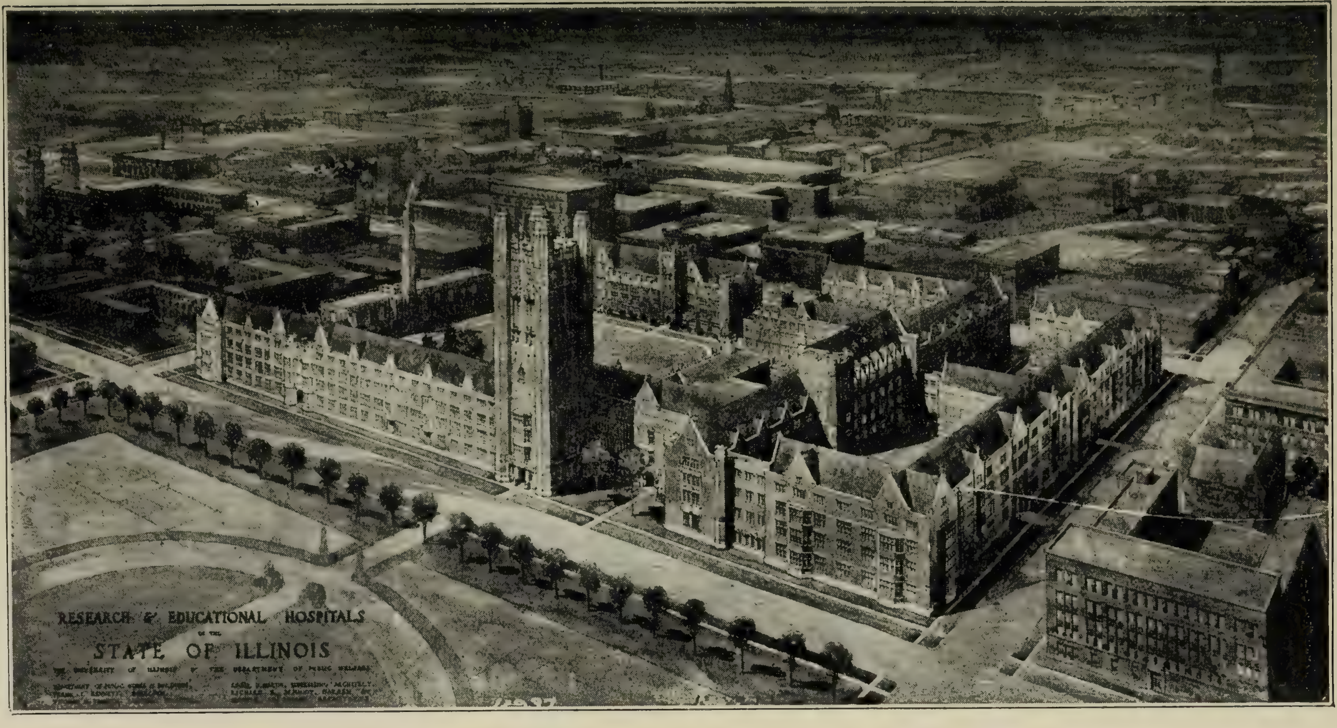
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1926-27

FIRST SEMESTER

September 8-11, Wednesday-Saturday
Entrance Examinations. All departments of the University (High School Subjects)

September 27-October 2, Monday-Saturday. Special examinations

October 4, Monday, 8 a. m.-5 p. m.
Registration and payment of fees

October 5, Tuesday, 8 a. m.
Instruction begun

November 24, Wednesday, 12 m.
Thanksgiving recess

November 29, Monday, 8 a. m.
Instruction resumed

December 22, Wednesday, 6 p. m.
Holday recess begun

January 3, Monday, 8 a. m.
Instruction resumed

January 31-February 4, Monday-Friday
Semester examinations

SECOND SEMESTER

February 7, Monday, 8 a. m.-5 p. m.
Registration and payment of fees

February 8, Tuesday, 8 a. m.
Instruction begun

February 22, Tuesday
Washington's birthday

April 14, Thursday, 5 p. m.
Easter recess begun

April 18, Monday, 8 a. m.
Instruction resumed

May 30, Monday
Memorial Day

May 23-June 3, Monday-Friday
Final examinations: Second and Fourth Years, May 23-27 inclusive; First and Third Years, May 30 to June 3, inclusive

June 10, Friday
Class Day
Alumni Meeting

June 11, Saturday
Commencement Exercises
Chicago Professional Schools

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1926-1927

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(To be appointed).

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J. L. Webb, M.D.

Obstetrics
Gilbert Fitz-Patrick, M.D.

Tuberculosis
Wm. R. Abbott, M.D.
G. W. Wagner, M.D.

Pediatrics
Henry H. Kleinpell, M.D.
P. E. Grabow, M.D.
C. T. Heidel, M.D.
S. M. Goldberger, M.D.

Ophthalmology
E. A. Roling, M.D.
J. H. F. O'Neil, M.D.
E. H. Hoffmann, M.D.
Otto Wipper, M.D.
E. A. Bredlau, M.D.

Ear, Nose and Throat
John Bick, M.D.
A. H. Geiger, M.D.
S. B. Munns, M.D.

Urology
Thos. Cottrell, M.D.

Neurology
Hugh T. Patrick, M.D.
Jas. C. Gill, M.D.
I. B. Diamond, M.D.

THE WEST SIDE HOSPITAL

Surgery
T. A. Davis, M.D., President
Alex C. Weiner, M.D.
Thomas J. Conley, M.D.
J. P. Smyth, M.D.
George F. Thompson, M.D.
E. M. Brown, M.D.
C. R. G. Forrester, M.D.
Wm. S. Royce, M.D.
C. C. O'Byrne, M.D.

Internal Medicine
Clyde D. Pence, M.D., Vice-President
W. L. Callaway, M.D.
J. J. Pflock, M.D.
C. J. McMullen, M.D.

Eye and Ear
Wm. L. Noble, M.D., Secretary
E. E. Dewey, M.D.

Nose and Throat
James A. Clark, M.D.
M. W. Brucker, M.D.

Gynecology
John M. Lang, M.D., Treasurer
F. S. Hartman, M.D.
A. H. Brumback, M.D.
Channing W. Barrett, M.D.
A. N. Clagett, M.D.
S. G. West, M.D.

Genito-Urinary Surgery
J. S. Nagel, M.D.

Associate Staff

Surgery
H. C. Lyman, M.D.
A. W. Freese, M.D.
E. J. Whitney, M.D.
E. J. Worthington, M.D.
M. U. Prescott, M.D.
M. T. Strikol, M.D.
J. H. Rutledge, M.D.
F. B. Lucas, M.D.
J. A. Sodaro, M.D.

Gynecologists
J. E. Fleischner, M.D.
B. H. Burgner, M.D.
P. C. Goergen, M.D.

Medicine
R. B. Sarginson, M.D.
C. C. Saelhof, M.D.

Nose and Throat
Rudolph J. Mroz

Eye and Ear
A. W. Allen, M.D.
T. J. Conroy, M.D.

Genito-Urinary Surgeons
W. Yonkers, M.D.

RESEARCH BUILDING WITH EDUCATIONAL HOSPITAL IN BACKGROUND

THE LIBRARY
OF THE
UNIVERSITY OF ILLINOIS

THE
JOHN CRERAR
LIBRARY

HOSPITAL OF ST. ANTHONY DE PADUA

Surgery—Lawrence Ryan, M.D., F.A.C.S.; Stephen E. Donlon, M.D., F.A.C.S.; John J. Sprafka, M.D., Joseph Zabokrtsky, M.D., F.A.C.S.; Ralph C. Cupler, M.D., F.A.C.S.

Medicine—J. Chase Stubbs, M.D.; Frank L. Foran, M.D.; James A. Jennings, M.D.; Frank J. Fara, M.D.

Obstetrics—Max A. Weisskopf, M.D.; John D. McGregor, M.D.; Perry J. Lusk, M.D.; Oscar G. Fischer, M.D.

Genito-Urinary Surgery—Otto J. Jirsa, M.D., F.A.C.S.; Harry J. Smejkal, M.D., F.A.C.S.

Pediatrics—Robert Hardie, M.D.; Frank Thometz, M.D.; Evelyn Ehrmann, M.D.

Diseases of the Eye—William F. Moncrieff, M.D.; Harry Thometz, M.D.; Georgiana D. Theobald, M.D

Diseases of the Nose and Throat—Louis E. Gordon, M.D.; John A. Cavanaugh, M.D.; John Theobald, M.D.

Dermatology—Leonard Weber, M.D.

Orthopedic Surgery—Frank F. Trombly, M.D.

Pathologist—Fred B. Olentine, M.D.

Roentgenologist—S. L. Tichy, M.D.

MOUNT SINAI HOSPITAL

Surgery—H. M. Richter, M.D.; V. L. Schrager, M.D.; I. M. Levin, M.D.; I. E. Bishkow, M.D.; L. E. Handelman, M.D.

Medicine—M. Lewison, M.D.; Geo. Rubin, M.D.; I. M. Trace, M.D.; E. B. Freilich, M.D.; E. B. Jacobs, M.D.; Jacob Meyer, M.D.; H. J. Isaacs, M.D.; M. Arkin, M.D.

Dental Staff—Isidore Rossyn, D.D.S., M.D.; Albert Parlin, D.D.S.

Obstetrics—Chas. Newberger, M.D.; W. H. Rubovits, M.D.; A. H. C. Goldfine, M.D.; A. Kanter, M.D.

Pediatrics—A. Levinson, M.D.; J. S. Cohn, M.D.; M. P. Borovsky, M.D.

Neurology—G. B. Hassin, M.D.; A. S. Hershfield, M.D.

Genito-Urinary Surgery—G. Kolischer, M.D.; H. Katz, M.D.; H. C. Rolnick, M.D.

Oto-Laryngology—J. Lifschultz, M.D.; N. Schoolman, M.D.; S. M. Morwitz, M.D.

Ophthalmology—M. H. Lebensohn, M.D.; Jas. Lebensohn, M.D.

Dermatology—M. L. Ravitch, M.D.; M. Dorne, M.D.

Orthopedic Surgery—Chas. M. Jacobs, M.D.; M. A. Bernstein, M.D.; D. H. Levinthal, M.D.,

Director of Laboratory and Department of Pathology—Benj. Gruskin, M.D.

Anaesthetist—H. Shacoff, M.D.

Director of X-Ray Laboratory—M. I. Kaplan, M.D.

THE COLLEGE OF MEDICINE
OF THE
UNIVERSITY OF ILLINOIS

GENERAL DESCRIPTION

BUILDINGS, EQUIPMENT, LIBRARY AND CLINICAL FACILITIES

The Old Medical College Building. This building, located in the city block bounded by Harrison, Congress, Honore, and Lincoln Streets, Chicago, consists of a five-story brick and stone tructure two hundred feet long by one hundred ten feet wide, and a three-story brick annex. It contains four lecture rooms, an assembly hall seating seven hundred, a small recitation room, and the laboratories of chemistry, microscopic anatomy, physiology, pathology, bacteriology, pharmacology, and therapeutics, operative surgery, experimental medicine, and clinical diagnosis. The laboratories for gross anatomy are located in the Dental Building immediately adjoining the Medical Building.

The laboratories are equipped for routine instruction. The general equipment includes: refrigerating plant with cooling units in proximity to the several laboratories, each unit consisting of a number of individual compartments with separate control, providing for a range of temperature down to — 5° C.; a Crowell blower, supplying compressed and rarefied air to the laboratories of physiology, chemistry, pathology, and pharmacology; a workshop equipped for the repair and construction of apparatus under the supervision of members of the teaching staff; rooms for the housing and care of experimental animals in charge of special caretakers.

In association with the Department of Public Welfare of the State of Illinois, a group of Hospitals and Laboratories has recently been opened and the University has thereby been placed in a position to offer its faculty adequate facilities for teaching and investigation.

The buildings occupy a campus approximately eight acres in extent, located immediately adjacent to the Cook County Hospital. The units now in operation include the following:—Outpatient Dispensary, General Hospital, Research Laboratory and Library. The following divisions will shortly be opened:—Pediatric Ward, and the Orthopedic and the Psychiatric Divisions.

The Research and Educational Hospital. The Hospital has been designed with great care not only to afford every comfort for the patient, but to facilitate the use of the clinical material for teaching and investigation. At the present time some 200 beds are occupied and the total of 450, contemplated for the Main building, will be available as soon as an adequate provision can be made to house the nurses and employees.

The *first* floor of the Hospital proper contains the Pediatric, the Obstetrical and the Roentgenology Departments. The University has made every provision to develop both the diagnostic, as well as the therapeutic sides of Roentgenology,

MAIN BUILDING AS VIEWED FROM THE SOUTHEAST (RESEARCH AND EDUCATIONAL HOSPITALS)

THE LIBRARY
OF THE
UNIVERSITY OF ILLINOIS

THE
JOHN CRERAR
LIBRARY

and in addition has provided equipment for the other branches of Physiotherapy. Undergraduate, as well as graduate, instruction will be offered in this Department beginning with the present year.

The *second* hospital floor in addition to wards contains the clinical laboratories, with divisions for bacteriology, serology, pathology, biochemistry and metabolism.

The *third* floor contains eight suites of operating rooms and the necessary service rooms. The surgery is most complete, with special operating rooms for head and genito-urinary work. Both wings provide beds now used for general purposes, later to be used largely for surgical cases.

The *fourth* and *fifth* floors contain living rooms for internes and residents, and the quarters for the managing officer of the institution.

The Out-patient Dispensary. This occupies the main floor of the Hospital Building. It possesses large waiting rooms, adequate suites for all divisions of clinical work, a large ampitheatre, drug dispensary and preparation rooms (used in conjunction with the School of Pharmacy), electrocardiographic and hydrotherapeutic units are located in the basement of the building. In addition, the administrative and service offices are located on this floor.

The Research and Library Building. Joining the Hospital by corridors leading from the basement and the third floor the University has erected a laboratory building for the science group of the medical school.

The basement houses the photographic division, and the plastic studio of the Anatomy Department. The Department of Pharmacology occupies the first floor, Department of Bacteriology and Pathology the second floor, and the third is used by the Department of Physiology and Physiological Chemistry. The Chemical Laboratory has special rooms for weighing, for titration, for fume work, as well as large general and individual laboratories. The Anatomy Department with its division of illustration, occupies the fourth floor. The entire fifth floor is given over to the Animal Hospital, Animal Surgery and kennels for dogs and smaller animals. This floor is used jointly by workers from the various clinics and laboratories.

The Library, with a beautiful reading room and large convenient stack rooms, occupies an entire wing of this building, as well as space in the basement. It contains 32,854 bound volumes and a number of reprints, including the standard text-books, works of reference, monographs, and journal files in the fields of medicine, dentistry, and pharmacy. The pharmacy collection occupies part of the main floor of the School of Pharmacy. It contains 4860 volumes and 2600 pamphlets and ranks as one of the largest pharmaceutical libraries in the country. In addition to these two collections many of the departments of the three schools are supplied with working libraries.

CLINICAL FACILITIES

Dispensary

The Dispensary is divided into eleven departments: medicine, surgery, obstetrics, pediatrics, orthopedics, laryngology, dermatology, ophthalmology, gynecology, neurology, and genito-urinary diseases. A total of 58,747 treatments were given in 1925-26; 16,133 new patients were registered during the same period.

Opportunities are afforded the student to examine the cases personally under the guidance of instructors. As far as possible, the student is required to make laboratory examinations pertaining to his own cases. Such examinations as the Wassermann reaction are made by the instructors in the laboratory, but the student has an opportunity to follow these and to learn the technique involved.

Clinics

In addition to those in the dispensary more than 600 clinics in various hospitals are open to students. The great majority of diseases seen in the temperate zone are demonstrated, and most of the operations of surgery are performed in these clinics.

Fourth-year students are required to examine and diagnose many cases, and under certain conditions may assist in operations.

Cook County Hospital is located within half a block of the College. This institution is the largest charity hospital in America. During the past year it has cared for 101,000 patients. In this hospital is conducted much of the clinical instruction of the College.

Medical appointments in this institution are made each year by the Civil Service Board. The internes, 66 in number, are selected each spring by competitive examination. Only graduates of medical colleges of Cook County are eligible for these examinations. The internes serve eighteen months.

The County Morgue is located in the hospital grounds, and daily postmortems are held by the pathologists of the hospital.

The hospital tickets cost $5.00 each. They are for sale at the office of the Warden. They admit the holder to all clinics and autopsies and to all public operations and lectures.

University Hospital, at Congress and Lincoln streets, opposite the College, contains 127 beds. The directors of the hospital are members of the faculty of the College. Bedside instruction is given, under certain conditions, to small groups of students. No students, excepting those of the College, are admitted to clinical instruction in the hospital.

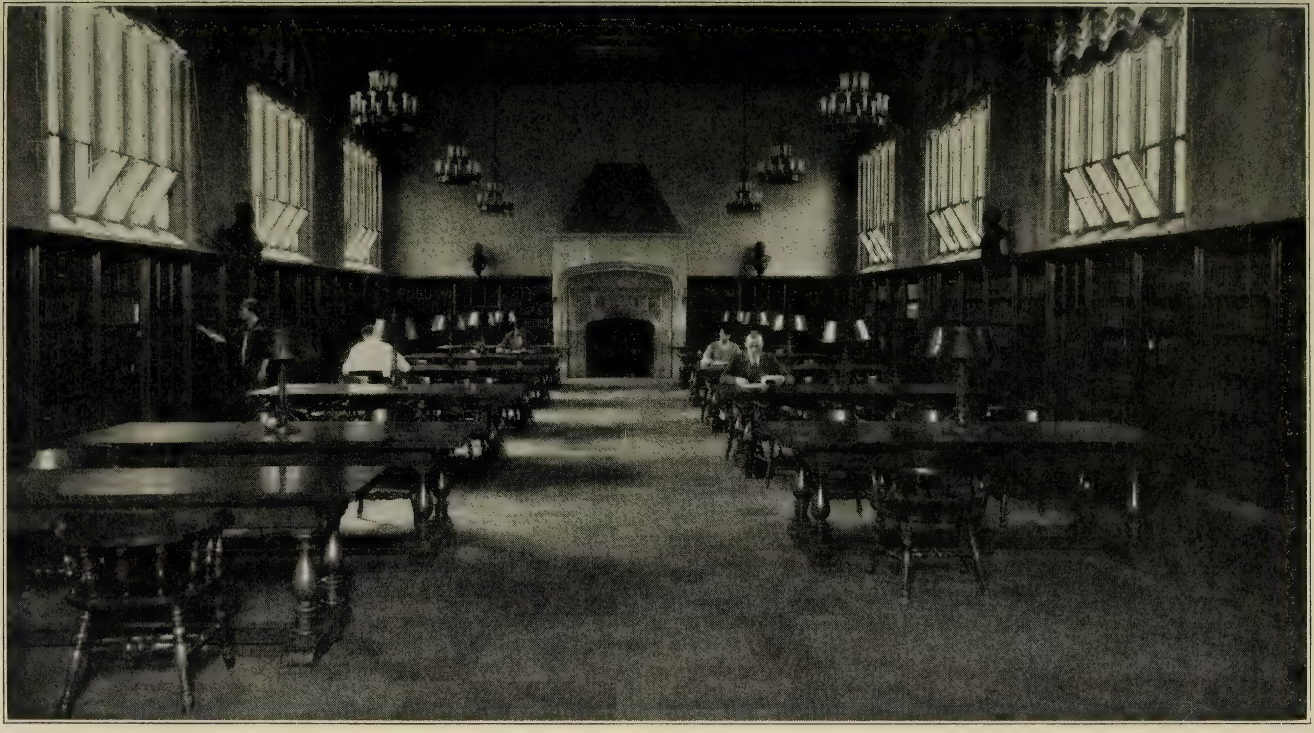
Clinical instruction to students in small groups, and bedside instruction to those serving as internes, may be given in the following hospitals:

Augustana Hospital, Lincoln and Cleveland avenues, contains 500 beds. Students receive bedside instruction during their service as externes and attend clinics in small groups. The service covers the entire field of surgery and medicine with the exception of contagious diseases.

Michael Reese Hospital, 29th and Ellis avenue, is composed of three separate buildings, the Hospital proper for adults, with 350 beds, the Sarah Morris Hospital for children, with 130 beds, and the Nelson Morris Institute for Medical Research.

St. Luke's Hospital, 1437 Michigan avenue, has 673 beds, of which 300 may be used for clinical purposes.

Illinois Eye and Ear Infirmary, Peoria and Adams streets, is devoted to the diseases of the eye and ear, including those of the nose and throat. It has ac-



MAIN READING ROOM OF THE QUINE LIBRARY (RESEARCH AND LIBRARY BUILDING)

THE LIBRARY
OF THE
UNIVERSITY OF ILLINOIS

THE
JOHN CRERAR
LIBRARY

commodations for nearly 200 inpatients. The ambulatory service is the largest in the West of any similar institution. The Infirmary has far outgrown the present building. The number of treatments annually is over 30,000. The material of the Infirmary, representing the greatest variety of major and minor affections of the eye, ear, nose, and throat, is accessible for study to the students of the school.

St. Mary of Nazareth Hospital, 1120 N. Leavitt street, has 250 beds.

St. Joseph's Hospital, 2100 Burling street, capacity, 200 beds.

West Side Hospital, 1850 West Harrison street, Chicago, has a capacity of 167 beds, including 6 infant beds.

Grant Hospital of Chicago, 531-559 Grant place, has a capacity of 183 beds, including 45 infant cribs.

St. Elizabeth's Hospital, 1443 N. Claremont avenue, has 200 beds, including 35 infant and 18 children's beds.

Chicago Policlinic Hospital, 219-221 W. Chicago avenue, Chicago, has a capacity of 75 beds, including 6 infant beds.

St. Anthony de Padua Hospital, 19th St. and Marshall Blvd., has 210 beds.

Mt. Sinai Hospital, 1519 S. California Av., has 204 beds.

In addition to the above, there are more than sixty public and private hospitals in Chicago, each of which appoints from two to four internes annually.

GENERAL INFORMATION

ENTRANCE REQUIREMENTS FOR 1926-27

All applications for admission must be made to the Secretary of the College in Chicago at the address of the College of Medicine. No application will be considered unless it is accompanied by complete credentials necessary to determine whether or not the student is eligible for admission. (See statement on page 32 with reference to the admission of non-Illinois students).

For admission to the College of Medicine, candidates must present:

1. Four years' work in an accredited high school or the equivalent, comprising not fewer than 15 units in acceptable subjects, including prescribed subjects as follows:

English	3 units[1]
Algebra	1 unit
Plane geometry	1 unit
Latin, Greek, German, or French (both units in the	2 units
same language	1 unit
History and civics	7 units
Electives	—
Total	15 units

2. Two years' work in a recognized college or university, comprising not less than 60 semester hours, including prescribed subjects as follows:

Chemistry (including organic chemistry, 4 semester hours)	12 semester hours[2]
Physics (at least 2 hours of laboratory work)	8 semester hours
Biology (at least 4 hours of laboratory work, see note 1)	8 semester hours
English	6 semester hours
German, French (see note 2)	6 semester hours
Electives outside of the chemical, physical and biological sciences (see note 3)	6 semester hours
Free electives (see note 3), exclusive of military, hygiene and physical education	14 semester hours
Total	60 semester hours

Note 1: Biology—Four of these 8 semester hours must consist of laboratory work. This requirement may be satisfied by a course of 8 semester hours in either general biology or zoology, or by courses of 4 semester hours each in zoology and botany, but not by botany alone.

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[1] By a *unit* is meant a year's work in a single subject; it being understood that the school year shall not be less than 36 weeks in length, that classes shall recite 5 times a week, that the recitation period shall be not less than 40 minutes long, that in science subjects there shall be double periods twice a week, and that double time shall be given in subjects like drawing, manual training, and bookkeeping, in which little or no outside study is required. Since high-school students ordinarily take four subjects at a time throughout the four years of the high-school course, 15 units represent approximately four years of high-school work.

[2] By a *semester hour* is meant the work of a class meeting one hour once a week for a semester of 18 weeks. Sixty semester hours represent ordinarily two years of college work.

Note 2: German, French—The student is strongly urged to secure a reading knowledge of one of these languages. This will ordinarily require at least two years' work in the high school followed by at least 6 hours' work in the same language in college, or two full years' work (in a class reciting at least 3 periods per week) in college if the language was not begun in the high school, or the equivalent.

Note 3: Electives—As desirable electives the following subjects are suggested: psychology; college algebra and trigonometry; additional English; economics, history, sociology, political science; logic; Latin, Greek; drawing. Among the free electives advanced chemistry, zoology, and botany may be offered.

Students registered in the medical curriculum—The seven-year medical curriculum offered by the University consists of two years of pre-medical work at Urbana, including the subject requirements stated above, two years of pre-clinical work in the College of Medicine in Chicago (for these four years a B.S degree may be given), two years of clinical work in the College of Medicine at Chicago, and one year as an interne in a hospital approved by the University. The registration of students at Urbana who have completed the requirements of the first two years of the medical curriculum (the pre-medical work) and who have done in residence at the University the last two semesters of such curriculum, is continued in the College of Medicine subject to the following conditions:

1. The student who wishes thus to continue his work in the University must signify his intention to the Registrar on a form provided by him not later than March 1 of the year in which he purposes to continue his work in the Chicago department.

2. The student must comply with the general regulations for registration in the University in the medical course. This includes the payment of fees in advance.

3. A student who is on probation in the University at the time of continuing his University registration in the Chicago department will be continued on probation.

No conditions are permitted—The full requirements as listed above must be presented at the time of admission. No conditions are permitted.

HOW THE ENTRANCE REQUIREMENTS MAY BE MET

The high-school requirement may be satisfied either by certificate or by examination.

High-School Credits by Certificate

High-school credits will be accepted by certificate from the following sources:

1. From high schools and academies in the State of Illinois which are accredited to the University of Illinois.

2. From schools accredited by the North Central Association of College and Secondary Schools.

3. From schools accredited to the state universities which are included in the membership of the North Central Association of Colleges and Secondary Schools, provided the Illinois standard time requirements are met.

4. From high schools and academies registered by the Regents of the University of the State of New York.

5. From schools approved by the New England College Entrance Certificate Board.

6. From schools accredited by the Southern Association of Colleges and Secondary Schools.

7. From the state normal schools of Illinois and other state normal schools having equal requirements for graduation.

High-School Credits by Examination

High-school credits may be made by examination:

1. In the examinations conducted by the Registrar of the University of Illinois at the University in Urbana in January, July, and September of each year.

2. In the examinations conducted by the Registrar of the University of Illinois, in Chicago, five times each year, about March 15, June 15, August 25, September 15, and December 15.

3. In the examinations conducted in June of each year by the College Entrance Examination Board.

4. In the examinations conducted by the Regents of the University of the State of New York.

COLLEGE CREDITS

College credits will be accepted *by certificate* from recognized colleges which require for admission the completion of at least 14 units of high-school work in an accredited high school or the full equivalent thereof, and for graduation, in addition, four years of college work; and also from recognized junior colleges and state normal schools.

A letter of honorable dismissal from the last collegiate institution attended is required.

NON-ILLINOIS STUDENTS

All applicants for admission to the College of Medicine, if not legal residents of Illinois, must present with their applications for admission, except as students in the Graduate School, satisfactory evidence that they maintained at the school or college from which they would enter the University of Illinois, a scholastic average at least ten points above the passing grade of such school or college. In case of records which are not kept in numerical grades but in literal or other systems of grading, this requirement will be interpreted to mean an average of one grade above the passing grade, e.g., in a system of A, B, C, and D, with D as the passing grade, the average must be C.

RECORD OF MEDICAL WORK

A letter of honorable dismissal and a transcript of the record are required in all cases where there has been attendance in a medical school.

ADVANCED STANDING

The University will accept scholarship and time credits for work done in medical colleges having standards equal to those of the College of Medicine, in so far as this work coincides with or is full equivalent of the courses prescribed by the University.

The pre-medical work of the applicant must meet in full the admission requirements for the class which he desires to enter. This will be determined by the evaluation of his credits on the basis of transcripts obtained directly from the schools where they were earned.

The applicant must present a letter of honorable dismissal from, and be eligible for promotion in, the college in which he pursued his medical studies. His record must be of such character as to show a scholastic average at least ten percent above the passing grade of such college. In case of records which are not kept in numerical grades but in literal or other systems of grading, this requirement will be interpreted to mean an average of one grade above the passing grade, e.g., in a system of A, B, C, and D, with D as the passing grade, the average must be C.

Irregularities due to differences in the curriculum must be satisfactorily adjusted by the student during the first year of his attendance.

REGISTRATION

Students are required to register in the office of the secretary immediately upon the opening of the term for the work of that term, and credit will be allowed only in the branches in which they are registered. Students will be registered in the order in which their fees are paid. Owing to limited space the number of students in each class is restricted to one hundred and thirty.

COLLEGIATE YEAR[1]

The collegiate year of 1926-27 consists of a session of thirty-four weeks, beginning October 4, 1926, and ending June 10, 1927. The year is divided into two semesters, of seventeen weeks each. Attendance upon the full session is required in order to secure credit for a year's work, and five years' attendance including a hospital course of not less than twelve months' duration is required for graduation.

FEES AND EXPENSES

		Illinois Students	*Non-Illinois Students*
First Year—	Tuition	$130.00	$165.00
	Laboratory	35.00	35.00
	Total	(165.00)	(200.00)
Second Year—	Tuition	130.00	165.00
	Laboratory	35.00	35.00
	Total	(165.00)	(200.00)
Third Year—	Tuition	160.00	195.00
	Laboratory	5.00	5.00
	Total	(165.00)	(200.00)
Fourth Year—	Tuition	165.00	200.00
	Total	(165.00)	(200.00)
	Grand Total	$660.00	$800.00

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[1] The term "year" in this schedule of fees refers to a period of instruction covering two terms of seventeen weeks each or the equivalent thereof.

All students taking Gross Anatomy are required to make a deposit of $10.00 for the use of a disarticulated skeleton. This deposit is returned to the student at the end of the year upon the return of the material.

The Trustees reserve the right to change the fees at any time through publication in the annual announcement.

Students entering the University for the first time will be charged a matriculation fee of ten dollars, in addition to the above.

A late registration fee of five dollars will be charged to students who do not present themselves for the payment of fees on the dates designated in the College calendar.

ADDITIONAL FEES

Diploma, $10.00. Copy of original transcript of record, $1.00; for each carbon copy of same, fifty cents.[1]

Listeners or Visitors Fee.—The following fees are charged listeners or visitors in the courses of the College of Medicine: For each twenty-five clock hours, or fraction thereof, state students, $10.00; non-state students, $20.00.

Note.—County Hospital ticket, $5.00. Maternity Fee, Chicago Lying-In Hospital, $15.00.

All fees are payable in advance. The entire matriculation and laboratory fees are due and must be paid during the registration days of the first semester, together with one-half of the general fee. The remainder of the general fee is due and payable on the registration days of the second semester.

Exceptions to this rule will be made only with the approval of the proper administrative officer.

There are no fees for special courses or quizzes. No members of the instructional staff are allowed to accept special fees.

In case a student withdraws from the school within ten days after the beginning of the instruction the total amount of his fees except the matriculation fee will be refunded. After ten days and before the expiration of one month a refund of three-fourths of the tuition and laboratory fees will be made. After one month and before the expiration of two months a refund of one-half of these fees will be made. After two months and before the expiration of three months a refund of one-fourth of the fees will be made. After the expiration of three months no part of the fees will be refunded.

Alumni are admitted to all regular courses, without charges, except in laboratory work, in which a charge is made for material actually used.

Each student is required to provide himself with a compound microscope equipped to meet the requirements of the work of the curriculum.

Living Expenses

The expenses of living in Chicago are less than in most other large cities. From forty to fifty dollars per month may be regarded as adequate for the ordinary living expenses of a student exclusive of books, clothing, railroad fare, and miscellaneous needs.

The expense for books varies between $25.00 and $50.00 a year. The instructors at the beginning of each course direct their students in regard to the purchase of text-books.

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[1] Each student is entitled to one transcript of record, without a fee, but he must pay for extras in the way of carbon copies supplied with the original transcript or for second request for the original.

SCHOLARSHIPS AND FELLOWSHIPS

REA SCHOLARSHIPS

Through the generosity of the late Professor R. L. Rea a fund has been provided for scholarships each year for worthy students. These scholarships are awarded annually by the officers of the Faculty.

For the session of 1925-1926, they were granted to the following students:

Sol Abelson
Albert J. Bown
B. J. Cronwell, Jr.
Clarence E. Flack
Ben Lieberman

(For circulars giving more detailed information concerning scholarships, apply to the Registrar of the University, Urbana.)

The following undergraduate scholarships relieve the holder of the payment of the matriculation and tuition fees:

General Assembly Scholarships—One nomination annually by each member of the General Assembly. Under the law, nominations must be received by the President of the University not later than the first Monday in July of the year in which the scholarship is to become effective.

State Military Scholarships—For World War Veterans. Special provisions passed by the General Assembly of 1919.

THE WILLIAM BEAUMONT MEMORIAL FUND

Dr. Frank Smithies of Chicago has endowed an annual prize of $100 in memory of William Beaumont, the famous surgeon of the nineteenth century who made some very valuable contributions to the knowledge of the digestive system. The prize is awarded to the student or faculty member of the College of Medicine who submits the best original work in the study of diseases of the alimentary tract. The competition is administered by a committee appointed by the Dean of the College of Medicine. The first award will be made in 1927.

COURSES OFFERED

The student is offered his choice of the following courses:

1. A course of nine years—four in the College of Liberal Arts and Sciences at Urbana, leading to the degree of Bachelor of Arts, followed by five years in the College of Medicine in Chicago, leading to the degree of Doctor of Medicine. This course of study is recommended to young men who can afford the time for it, and who are of the average age of graduation from the public high schools.
2. An eight-year course—three years in the College of Liberal Arts and Sciences at Urbana, followed by five years in the College of Medicine in Chicago. Students taking this course are permitted, at the end of their first year in the College of Medicine, to transfer credits in the medical sciences to complete the requirements for graduation of the College of Liberal Arts and Sciences, and receive the degree of Bachelor of Arts. On the completion of five years in the College of Medicine they receive the degree of Doctor of Medicine.
3. A seven-year course—two years in a recognized college of liberal arts and sciences followed by five years in the College of Medicine. The work of the first

two years must include certain prescribed subjects. On the satisfactory completion of the first two years in the College of Medicine, these students receive the degree of Bachelor of Science, and on the completion of the five years in the College of Medicine, they receive the degree of Doctor of Medicine. The two years of work in arts and sciences required for admission to the College of Medicine may be taken in the College of Liberal Arts and Sciences at Urbana.

THE COURSE IN THE COLLEGE OF MEDICINE

REQUIREMENTS FOR GRADUATION

A candidate for graduation from the College of Medicine of the University of Illinois must meet the following requirements:

1. He must have presented acceptable evidence of good moral character.

2. He must have paid all indebtedness to the college.

3. In order to receive the degree of Bachelor of Science in Medicine, a student must have secured grades of not less than C or the equivalent in subjects aggregating at least three-fourths of the collegiate work required for entrance upon the professional course, and also must have maintained the same scholastic record in the work of the first two years of his medical course.

4. In order to receive the degree of Doctor of Medicine a student must have completed the prescribed curriculum, securing grades of not less than C or the equivalent in subjects aggregating at least three-fourths of the work leading to the degree. This provision applies to students entering the first year class Octotober 5, 1925, and thereafter. In addition the student must have satisfactorily completed a hospital course of not less than twelve months duration in a hospital affiliated with or approved by the University of Illinois, or a year of research acceptable to the University.

Graduation With Honors

A student who complies with the requirements for graduation from the College of Medicine and who attains in all work done in courses offered in the college, and presented for the degree, the average grade specified below, may be recommended by the University Senate for the honors stated: For an average grade of not less than 4.35 Graduation with Honors; for an average grade of not less than 4.75 Graduation with High Honors. The honors conferred shall be noted upon the diploma and commencement program.

The interpretation of this rule is carried out by the translation of the literal grade into figures as follows: A—5; B—4; C—3; D—2; E—1. The individual grades are multiplied by the respective number of semester hours which each represents and the total of these figures is divided by the number of semester hours in the curriculum for the B.S. degree and the first four years of the curriculum for the M.D. degree. The result is the student's average. If the average obtained is between 4.75 and 4.35, then the student is entitled to Graduation with Honors. If the average obtained is 4.75 or higher, then the student is entitled to Graduation with High Honors.

GENERAL PLAN OF INSTRUCTION

During the first two years the work is, in the main, confined to the sciences fundamental to the practice of medicine, and the time of the student is largely devoted to laboratory work. During the first year this consists of work in anatomy, histology, embryology, neurology, chemistry, physiology and bacteriology. During the second year the study of physiology is continued and in addition the student takes up pathology, laboratory diagnosis, pharmacology, physical diagnosis, medicine, surgery and obstetrics.

During the third and fourth years the time is largely devoted to the various clinical branches, emphasis being given to practical instruction in dispensary and hospital clinics.

In the fourth year clinical clerkships are established to be operated at one time for one-fourth of the class and for a period of two months. This one-fourth of the class is further divided into four sections, one section being assigned to Medicine, one to Surgery, one to Obstetrics and Gynecology jointly, and one to service in outside hospitals. The students on service in these clinical clerkships are excused from attendance on all lectures and clinics, but are held responsible for the subject matter of the courses from which they have been excused.

The fifth year consists of a twelve months' interne service in a hospital affiliated with or approved by the University. Research work may be substituted for the hospital work of the fifth year.

Students are prohibited from doing work that interferes in *any way* with the fulfillment of the requirements of the curriculum. Unofficial clinical work may not be substituted for the official requirements of the curriculum.

Electives

In the second semester of the second year, the student is required to elect twelve hours per week from the courses offered by the pre-clinical departments. If the student has a satisfactory scholarship record, and can satisfy the head of a respective department as to his ability to pursue a definite line of endeavor, he may be permitted to register in the graduate school for one unit of work.

In the third year the student must elect five hours per week in the first semester and five and one-half per week in the second semester.

In the fourth year five and one-half hours per week of elective work must be taken from the optional subjects, and at least one hour of these electives must be selected from the optional subjects in surgery.

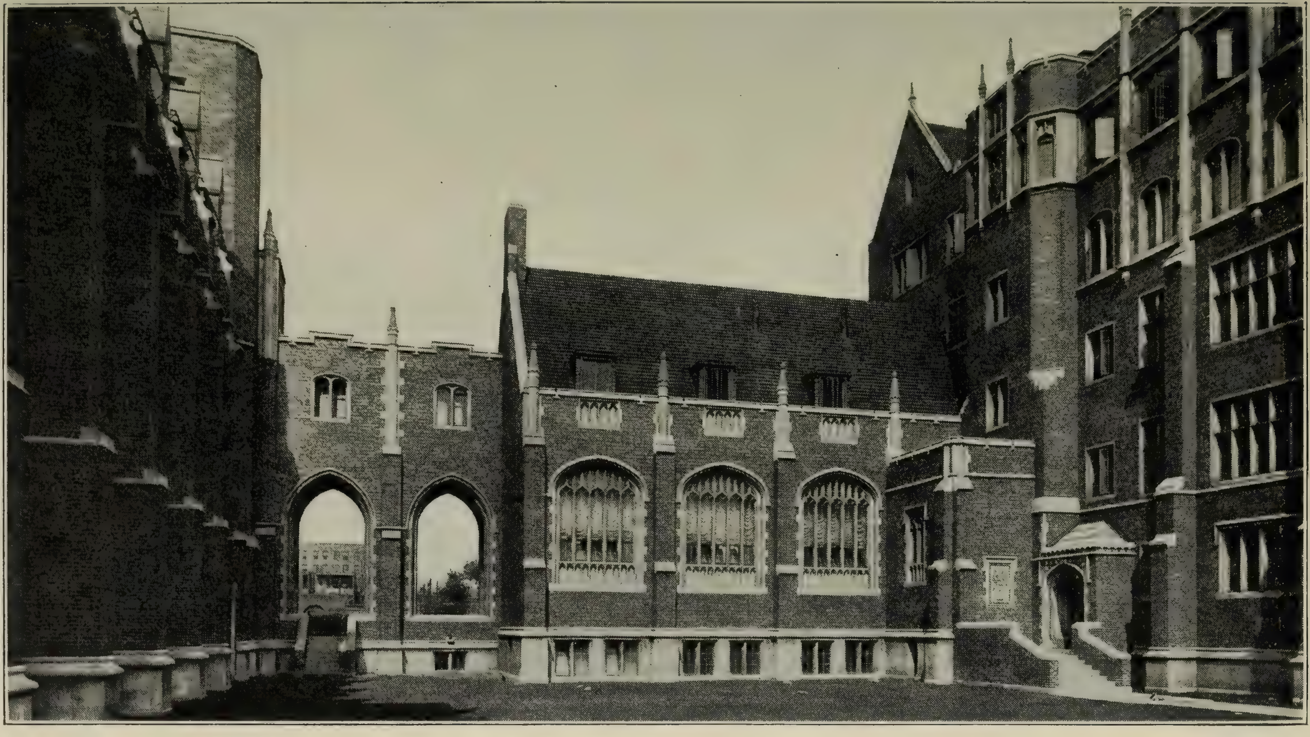
This elective work of the third and fourth years may be either in pre-clinical or clinical subjects. A student may in this way emphasize his training in some particular subject or subjects. The elective may be counted for graduate credit provided the student registers in a course recognized for graduate credit by the graduate faculty, and can satisfy the head of the department concerned as to his ability to pursue the work he proposes to undertake.

SEMESTER EXAMINATIONS REQUIRED

Examinations must be taken at the close of each semester on the work of the semester in all subjects except those whose character, in the opinion of the faculty, renders it unnecessary or impracticable. Other examinations are held as often as the necessities of the work require.

SIGNIFICANCE OF GRADES

The system of grading is as follows: A, excellent; B, good; C, fair; D, poor, but passing; E, failure.



RESEARCH LABORATORY, LIBRARY AND PASSAGE WAY TO HOSPITAL

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UNIVERSITY OF ILLINOIS

THE
JOHN CRERAR

EXAMINATION OF ABSENTEES

Absences from examinations count as failures. Exceptions to this rule may be made and a subsequent examination allowed by the Dean in cases where the absence is occasioned by sickness or other conditions which the student is unable to control.

REMOVAL OF FAILURES

A failure in a major subject (ninety-six clock hours or four semester hours, or more) can be removed only by repetition of the subject in course either in this University or some other approved institution. If the failure is removed by repeating the work at the University of Illnois, it must be made up the first time the course is presented. The student's total schedule including the repeated work may not exceed the normal schedule for the period, unless his record in all other courses averages B.

Provision for the removal of failures in minor subjects which total less than ninety-six clock hours or four semester hours will be made by the Head of the department concerned with the approval of the Dean.

Students who may desire to make up failures by summer work elsewhere must receive the consent of the Head of the department and the Dean in advance. This consent will not abrogate the right of departmental heads to demand examinations in such cases as they deem best.

SPECIAL EXAMINATIONS

Special examinations for the removal of failures in minor subjects are held during the week preceding the next collegiate year. These examinations may be had only upon the recommendation of the Head of the department concerned with the approval of the Dean. Evidence of actual additional work done in a subject must be presented before permission is granted for a special examination. Only one examination in a given subject will be permitted.

Special examinations may not be taken for the purpose of raising grades in courses in which a student already has credit. A grade of D in a given subject may be raised, first, by satisfactory completion of work prescribed by the Head of the department concerned, such prescribed work being the equivalent in amount to the regular course; and second, by repetition of the course with the earning of a higher grade.

Special examinations will be allowed by arrangement with the Head of the department and the Dean when the examinations of the State Board where the student wishes to practice conflict with the dates of the final examinations of the University.

For all such examinations a permit must be obtained and a fee of $5.00 paid in advance. In the case of a subject which is continuous for more than one semester an examination covering a year's work may be allowed for a single fee ($5.00).

A student who has completed the work of a semester is considered to be still under registration for the purposes of this rule up to the end of the registration period for the next semester.

REFUSAL OF FURTHER REGISTRATION ON ACCOUNT OF POOR SCHOLARSHIP

A student, who, in any semester, receives failures in one-half the total number of hours in his course, shall be refused further registration in the College of Medicine.

REPORTS

Reports on scholarship and attendance are mailed to all students as soon as possible after the end of each term.

ADMISSION TO LICENSING EXAMINATIONS IN ENGLAND

On the recommendation of the Committee of Management of the Examining Board in England, the Royal College of Physicians and Surgeons has added the University of Illinois to the list of Universities whose medical departments are recognized by that Board. By this action, graduates of this institution are exempted from all preliminary examinations and admitted to the final licensing examination of the Examining Board.

MEMORIAL LECTURESHIP

In commemoration of members of the Alumni, Faculty, and Student Body who lost their lives during the World War, the Alumni, Faculty, and Students have raised a fund sufficient to establish a Memorial Lectureship. It is proposed to have at least one lecture delivered annually by a prominent educator on a subject of general medical interest. George Craig Stewart, D.D., delivered the address at the annual meeting of the Alumni Association, Friday evening, June 11, 1926.

ADOLPH GEHRMANN LECTURESHIP

In accordance with the will of Mrs. Albertina Gehrmann, widow of the late Adolph Gehrmann, for many years Professor of Bacteriology and Hygiene in the College of Medicine, the sum of $10,000 was given for the establishment and support of a Lectureship in the College of Medicine of the University of Illinois, in memory of Dr. Gehrmann. The first of this series of lectures was given by Aldo Castellani, M.D., Professor of Tropical Medicine, Tulane University, on March 23, 24 and 25, 1926, his subject being, "Fungi as Causation Agents of Disease in the Tropics and in Temperate Zones."

CORRESPONDENCE

Address all correspondence to

The Secretary of the College of Medicine

University of Illinois

Congress and Honore Streets

Chicago

DESCRIPTION OF COURSES IN MEDICINE[1]

ANATOMY

Victor Emanuel Emmel, B.S., M.S., Ph.D., *Professor and Acting Head of Department*
Otto Frederick Kampmeier, A.B., Ph.D., M.D., *Associate Professor*
Edward Allen Boyden, A.B., A.M., Ph.D., *Associate Professor*
Arthur Reuben Cooper, A.B., A.M., Ph.D., M.D., *Assistant Professor*
Lawrence Onis Morgan, A.B., A.M., Ph.D., *Instructor*
Dennis Rider Wood Crile, B.S., M.D., *Instructor*
Thomas Smith Jones, B.F.A., *Artist and Instructor*
Michael Henry Streicher, B.S., M.S., M.D., *Instructor*
Richard Lockwood Webb, A.B., M.S., *Instructor*
Adeline Rawson White, B.L., M.D., *Assistant*
Yngve Joranson, A.B., B.S., M.D., *Assistant*
John W. Brennan, M.D., *Assistant*
Samuel J. Burrows, M.D., *Assistant*
Fred Rush Thompson, B.S., M.D., *Assistant*
Stanley J. Imbiorski, B.S., M.D., *Assistant*
Samuel I. Kaufman, M.D., *Assistant*
Herman J. Pilka, B.S., M.D., *Assistant*
Manfred U. Prescott, B.S., M.D., *Assistant*
Louis N. Boelio, B.S., M.D., *Assistant*
Max E. Fisch, M.S., M.D., *Assistant*
Milo Edward Vacin, B.S., *Assistant*
Mary Louise Dixon, A.B., *Artist*
Mae E. Fork, *Technician*
George Miller, *Technician*
Doris Johnson, *Technician*
Adolph Hammer, *Director of Plastic Studio*

GENERAL STATEMENT

The laboratories for gross anatomy comprise two dissecting rooms and a number of smaller rooms for embalming, storing and prosecting. A plastic studio is situated in the Research Laboratory Building and is available for anatomical reconstruction work and the use of models for teaching purposes. The laboratories for histology, embryology, neurology and topographical anatomy are situated on the first, third and fourth floors of the Medical Building.

The offices and research laboratories are located on the fourth floor of the Research Building. The equipment includes apparatus for ambalming, sectioning, macerating, corroding and digesting; microtomes, microscopes, paraffin ovens, drawing apparatus, chemicals, glassware and Grübler stains. A small museum contains special dissections, osteological preparations and models; sets of histological, neurological and embryological slides; charts, lantern slides and other teaching accessories. The former departmental library containing the standard texts, about two thousand five hundred special monographs and all the English, French and German anatomical journals, is now situated in the main Research Library. This, together with the Crerar Library, which is readily accessible, makes it possible to consult practically the entire literature of anatomy, biology and zoology.

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[1] The Arabic numerals preceding the captions indicate the number of courses. Unless otherwise specifically stated, the Arabic numerals following the descriptions of courses indicate the number of one-hour periods. The Roman numerals *I* and *II* indicate the number of semesters over which the course extends.

Required Courses—First Year

1. Cytology, Histology and Microscopic Anatomy.—Animal cells; modified cells in blood and lymph, epithelial, connective, muscular and nervous tissues, and their relationships in the body. Lectures and recitations; 3: laboratory; 5½ hours. *I.* Associate Professor Kampmeier, Dr. Morgan and assistants

2. Embryology.—Ovogenesis and spermatogenesis, maturation, ovulation and its relation to menstruation, fertilization, segmentation, gastrulation, formation and significance of germ-layers; formation of foetal envelopes and placenta; organs and systems of organs; congenital formations. Lectures and recitations; 2: laboratory; 3 two-hour periods. *I (first half).*

Associate Professor Kampmeier, Dr. Morgan and assistants

3. Neurology.—The gross and microscopic anatomy of the brain, spinal cord and organs of special sense. Lectures and recitations; 2: laboratory. 3 two-hour periods. *I. (second half).*

Associate Professor Kampmeier, Dr. Morgan and assistants

4-5. Regional and Systematic Anatomy.—Complete dissection of the human body: (1) Superior and inferior extremities, (2) thorax and abdomen, (3) the head and neck. Anatomical structure, functional significance, regional relationship of surgical and clinical importance, and structural variation of the component organs and systems. Lectures and recitations; 1: laboratory. 2 three and one-half hour periods. *II.*

Professor Emmel, Associate Professor Boyden, instructors and assistants

Required Courses—Third Year

6. Topographical Anatomy.—Topography and relations of the various regions, systems and organs of the body. 3 two-hour periods. *I.* (Not given in 1926-27.)

Applied and Surgical Anatomy.—(See department of surgery.)

Optional Courses

51. Microscopical Technic.—Preparation of objects; injecting blood-vessels and lymphatics; maceration, digestion and corrosion; decalcification, fixation of tissues, embedding, sectioning, staining and mounting. 2 three-hour periods. *I.* Limited to a few qualified students. ——————

52. Medical Illustrating.—Drawing, including perspective; values and their adaptation to the representation of medical subjects; normal and pathological specimens, both gross and microscopic; media adapted for representing certain conditions and structures, and for special methods of reproduction, such as line work, half tone, and lithography. 2 three-hour periods. Limited to four students. Mr. Jones and Miss Dixon

54. Advanced Work in Regional Anatomy.—The anatomy and correlated functional and clinical features of selected regions of the body. 2 three-hour periods. *I.* Limited to twenty-four qualified students. Dr Crile and assistants

Courses Preparatory to Specialization

(Special Fee)

62. a. The Eye.
b. The Ear.
c. Mouth, Nose, and Throat.
d. The Thorax and Abdomen.
e. The Genito-Urinary System.
f. Pelvic Anatomy.
g. The Extremities, especially the joints and their mechanism.
h. The Brain and Spinal Cord.

Research.—Physicians who desire to do research and students who have had three years of university training are invited to begin research work in this department. A reading knowledge of French and German is essential.

65-66. Seminar.—Critical reviews of recent anatomical literature; preparation of bibliographies and of scientific papers for publication. Presentation and discussion of the results of investigations.

Courses for Graduates

101. Histogenesis and Experimental Morphology.—Cytological and morphological changes in the organism which are directly correlated with normal processes, such as reproduction, differentiation, nutrition, growth, variation, regulation, regeneration, activity, secretion, rest, fatigue and senility. *One or two units.* Professor Emmel, Associate Professor Kampmeier

103. Individual Research.—*One or two units.*
Professor Emmel, Associate Professor Kampmeier

DERMATOLOGY

Francis Eugene Senear, B.S., M.D., *Professor and Head of Department*
Max S. Wien, B.S., M.D., *Associate*
Leonard F. Weber, M.D., *Associate*
Theodore Cornbleet, B.S., M.D., *Instructor*

Required Course—Third Year

1. Practice.—Lectures, 1. *I.* Professor Senear

Required Courses—Fourth Year

2-3. Clinic.—1. *I*; 1. (*eight weeks*). *I.* Professor Senear

9-10. Clinic.—Dispensary. In sections. 3 one-hour periods. (*three weeks*). *II.*
Professor Senear, Dr. Wien, Dr. Weber, Dr. Cornbleet

Course for Graduates

101. Research Work in Dermatology.—One to three units. Professor Senear

SOCIAL HYGIENE, CRIMINOLOGY AND MEDICAL JURISPRUDENCE

Herman Morris Adler, A.B., A.M., M.D., *Professor of Criminology and Head of the Department*
Rachelle S. Yarros, M.D., *Professor of Social Hygiene*
Elmer DeWitt Brothers, B.S., LL.B., *Lecturer in Medical Jurisprudence*
Matthew Mills, A.B., LL.B., *Lecturer in Medical Jurisprudence*
Paul L. Schroeder, B.S., M.D., *Instructor in Criminology*
George J. Mohr, B.S., M.D., *Instructor in Criminology*

Required Courses—Fourth Year

6 Medical Jurisprudence.—The principles of law governing individual and professional rights and obligations; responsibilities arising from the relation of physican and patients; confidential character and inviolability of such relation; medical laws of various states. Lectures, 1. *I.* Mr. Brothers

7. Social Hygiene.—Principles of social hygiene as applied to medical practice and prevention of disease; venereal and sexual problems. 1. (*eight weeks*). *I.* Professor Yarros

Course for Graduates

101. Research Work in Juvenile Behavior.—*One to three units.* Professor Adler

LARYNGOLOGY, RHINOLOGY AND OTOLOGY

Norval Harvey Pierce, M.D., *Professor and Head of the Department*
Joseph Clar Beck, M.D., *Associate Professor*
Jacques Holinger, M.D., *Assistant Professor*
Walter Henry Theobald, B.S., M.D., *Associate*
Charles Francis Yerger, Ph.G., M.D., *Associate*
Francis Loeffler Lederer, B.S., M.D., *Associate*
Jesse Henry Roth, A.B., M.S., M.D., *Assistant*
John Joseph Theobald, B.S., M.D., *Assistant*
Ernest A. Bredlau, M.D., *Assistant*
George Shaynin Livingston, B.S., M.S., M.D., *Assistant*

General Statement

The fundamentals of diseases of the nose, throat, and ear based on anatomy, physiology, and pathology of these organs, and the clinical manifestations of their more common diseases furnish the basis of the work in this department. Stress will be laid on the relationship of these special organs to the body as a whole in health and disease. Teaching will be facilitated by laboratory studies of Bezold's large models of the ear, maccrated specimens of the nose, throat and ear, by lantern slides and stereoptic demonstrations, and by actual examination of individuals in the out-patient department and in the hospital.

REQUIRED COURSES—THIRD YEAR

3. Practice.—The surgical anatomy, physiology and pathology of the ear, nose and throat. 1. *I.* Professor PIERCE, Associate Professor BECK

11. Practice.—Diagnosis and treatment, including surgery of the ear, nose and throat. 1. (*ten weeks*). *I.*
Professor PIERCE, Associate Professor BECK

12. Clinic.—Dispensary; Research Hospital. 3 two-hour periods. (*five weeks*). *I.* Professor PIERCE, Dr. LEDERER, Dr. W. H. THEOBALD, Dr. J. THEOBALD, Dr. ROTH, Dr. LIVINGSTON, Dr. BREDLAU

OPTIONAL COURSES—THIRD YEAR

50. Anatomy and Physiology of Ear, Nose and Throat.—8 hours.
Professor PIERCE and Staff

51 (a). Studies in Development of the Otic Capsule.
(b). Development of the Pneumatic Spaces of the Nose and Ear.—8 hours. Professor PIERCE and Staff

52. Advanced Work in Diagnosis and Treatment of Diseases of Ear, Nose and Throat.—Including direct laryngoscopy, bronchoscopy and the major operations. 8 hours. Professor PIERCE and Staff

53. Research and Experimental work in Otolaryngology.—8 hours.
Professor PIERCE and Staff

COURSE FOR GRADUATES

101. Research Work in Laryngology, Rhinology and Otology.—*One to three units.* Professor PIERCE

MEDICINE

CHARLES SPENCER WILLIAMSON, B.S., M.D., M.S., *Professor and Head of Department*

INTERNAL MEDICINE

CHARLES SPENCER WILLIAMSON, B.S., M.D., M.S., *Professor*
JOSEPH MCINTYRE PATTON, M.D., *Professor*
EDWARD LOUIS HEINTZ, Ph.G., M.D., LL.D., *Associate Professor*
MAURICE LEWISON, M.D., *Associate Professor*
SIDNEY STRAUSS, A.B., M.D., *Associate Professor*
FRANK CHAUVET, M.D., *Associate Professor*
ERNEST SISSON MOORE, Ph.B., M.D., *Associate Professor*
ROBERT WOOD KEETON, A.B., M.S., M.D., *Associate Professor*
ANDERS FRICK, B.S., M.S., M.D., *Assistant Professor*
JACOB MEYER, M.S., M.D., *Assistant Professor*
ISADORE PILOT, B.S., M.D., *Assistant Professor*
HARRY A. SINGER, B.S., M.D., *Assistant Professor*
FRANKLIN S. WILSON, Ph.G., M.D., *Associate*
SAMUEL PERLSTEIN, M.D., *Associate*
FRANK MAX WITTELLE, B.S., M.D., *Associate*
JOHN BAPTIST CIPRIANI, M.D., *Associate*

Duane Williard Propst, A.B., B.S., M.D., *Associate*
Albert Vanderkloot, M.D., *Associate*
Alvah Lewis Sawyer, B.S., M.D., *Associate*
Edmund Foley, B.S., M.D., *Associate*
Harold N. Ets, B.S., M.S., *Associate*
Michael Henry Streicher, B.S., M.S., M.D., *Instructor*
Ellis B. Freilich, M.D., *Instructor*
I. A. Rabens, B.S., M.S., M.D., *Instructor*
Bertha Kaplan, M.S., *Instructor*
Seymour J. Cohen, B.S., M.S., M.D., *Assistant*
Jacob Morton Mora, B.S., M.D., *Assistant*
Max E. Fisch, M.S., M.D., *Assistant*
Milton Henry Kronenberg, B.S., M.D., *Assistant*
Carl Apple, B.S., M.D., *Assistant*
Richard A. Lifvendahl, B.S., M.D., *Assistant*
Helen Harriett Skinner, A.B., A.M., *Assistant*
William Clarence Doepp, B.S., M.D., *Assistant*
Hugo O. Deuss, B.S., M.D., *Assistant*
Louis Feldman, B.S., M.D., *Assistant*
Jacob Fischer, B.S., M.D., *Assistant*
John Robert Johnson, B.S., M.D., *Assistant*
George William Moxon, B.S., M.D., *Assistant*
Cornelius N. Vetton, B.S., M.D., *Assistant*
Carroll L. Birch, B.S., M.D., *Staff Resident*

General Statement

The work in this department begins in the second year and extends through the third and fourth years. In the second year the student begins his work in internal medicine with the study of physical diagnosis on the normal subject. This is followed by the study of pathological cases. The class is divided into small groups, so that the instruction is individual. Coincident with this course the student takes up the study of laboratory diagnosis. A course in this subject lays the foundation for the practical clinical work in the dispensary, which begins in the third year and is carried through the fourth. In addition didactic work in medicine is begun with lectures and conferences, special reference being made to the diseases of metabolism.

In the third year instruction is carried on partly by means of conferences and recitations and partly by clinics. This division of work enables the student not only to obtain systematic instruction in the fundamentals of internal medicine but also to see clinical cases presented, bearing directly on this systematic instruction. At the same time he has opportunity to come into intimate contact with patients and to examine them in the dispensary under supervision. Stress is laid upon the student's personal examination and treatment of the cases.

In the fourth year instruction is carried on partly by means of conferences with group quizzes on the topics covered. This is a continuation of the work in the third year. A large part of the work, however, is clinical and is given not only in the Research Hospital but in the Cook County and Augustana Hospitals. In addition, practical work is given in the dispensary in the various medical specialties. Special emphasis is laid upon the clinical work in small groups.

A Cardiac clinic has been established for several years and treats annually a large number of cases. It operates under Professor Strauss in conjunction with other cardiac clinics in the City as a member of the Association for the Prevention and Treatment of Heart Diseases.

REQUIRED COURSES—SECOND YEAR

2a-2b. Physical Diagnosis.—(a) Lectures, 1. *I.* (b) Practical drill on normal subjects; given to small sections of the class. 1 two-hour period. *I.*
Associate Professor LEWISON, Associate Professor CHAUVET

3. Practice.—Lectures and conferences with special reference to Diseases of Metabolism. 1. *I.* Associate Professor KEETON

4. Practice.—Lectures and conferences. 2. *I.* Dr. PROPST

REQUIRED COURSES—THIRD YEAR

(Note: Of the following courses 160 hours will be assigned each student.)

27-28. Clinic.—Dispensary. Practical work on out-patients, with special stress laid upon history taking. Most of the important diseases of an ambulatory nature common to the temperate zone may be seen here. (In sections.) 3 two-hour periods (*three weeks*). *II.* Dispensary Staff

5. Practice.—A general survey of the important diseases as a foundation for the clinical courses. A continuation of the similar course of the second year. 3, *I;* 2, *I.* Dr. SAWYER, Dr. CIPRIANI, Dr. VANDERKLOOT, Dr. PROPST

6. Clinic.—Research Hospital. Selected topics. (To one-half the class.) 1 two-hour period. *I.* Professor WILLIAMSON

7. Clinic.—Research Hospital. Selected topics, with special reference to Diseases of Metabolism. (To one-half the class.) 1 one-hour period. *I.*
Associate Professor KEETON

13. Clinic.—University Hospital. Selected topics. (To one-eighth the class.) 1 two-hour period. (*eight weeks*). *I.* Associate Professor HEINTZ

10. Clinic.—Cook County Hospital. Selected topics. (To one-eighth the class.) 1 two-hour period. (*eight weeks*). *I.* Assistant Professor MEYER

8. Clinic.—Research Hospital. Selected topics, with special reference to Diseases of the Heart. (To one-eighth the class). 1 two-hour period. (*eight weeks*). *I.* Associate Professor STRAUSS

11. Clinic.—Cook County Hospital. Selected topics. (To one-eighth the class.) 1 two-hour period. (*eight weeks*). *I.* Assistant Professor PILOT

23. Physical Diagnosis Clinic.—Cook County Hospital. Tuberculosis Wards. (To small groups.) 1. *I.*
Associate Professor LEWISON, Associate Professor CHAUVET

OPTIONAL COURSES—THIRD YEAR

50. Diseases of the Gastro-intestinal tract.—Lectures and demonstrations. 1. *I.* Assistant Professor MEYER

51. Clinico-pathological lectures and demonstrations.—(To one-eighth the class.) 1. (*eight weeks*). *I.* Assistant Professor SINGER

52. Clinic.—Research Hospital. Selected topics. (To one-eighth the class.) 1. *(eight weeks). I.* Dr. APPLE

53. Principles of Medicine.—Review course. 2. *I.*
Dr. MORA, Dr. LIFVENDAHL, Dr. KRONENBERG

REQUIRED COURSES—FOURTH YEAR

(Note: Of the following courses 172 hours will be assigned each student.)

12. Seminar in the Classics of Medicine.—A study of the epoch-making contributions. (To small groups.) 1. *I.* Professor WILLIAMSON and associates

14. Practice.—Continuation of the course of study of previous year. Lectures illustrated with charts and lantern slides. 1. *II.* Associate Professor LEWISON

16. Clinic.—Research Hospital. Selected topics. Special stress will be laid upon the newer methods of diagnosis as applied to clinical medicine. (To one-half the class.) 1 two-hour period. *I.* Professor WILLIAMSON

18. Clinic.—Research Hospital. Selected topics. (To one-half the class.) 1 two-hour period. *II.* Associate Professor MOORE

39. Clinic.—Cook County Hospital. Selected topics with special reference to Diseases of the Circulatory Apparatus. (To one-fourth the class.) 1 two-hour period (*eight weeks*). *I.* Associate Professor STRAUSS

20. Clinic.—Augustana Hospital. Selected topics. (To one-fourth the class.) 1 two-hour period (*eight weeks.*) *I.* Assistant Professor FRICK

21. Clinic.—Research Hospital. Selected topics, with special reference to laboratory methods. (To one-fourth the class.) 1 two-hour period (*eight weeks*). *I.* Assistant Professor SINGER

22. Ward Clinic.—Research Hospital. Bedside instruction. (To one-eighth the class.) 1 two-hour period (*eight weeks.*) *I.* Dr. FOLEY

24. Ward Clinic.—Research Hospital. Bedside instruction. (To one-eighth the class.) 1 two-hour period (*eight weeks*). *I.* Dr. STREICHER

OPTIONAL COURSES—FOURTH YEAR

54. Practical Therapeutics of Chest Diseases.—1. *I.* Professor PATTON

55. Clinic.—With special reference to Diseases of Metabolism. (For such students who have not had this clinic in the third year.) 1 two-hour period. *I.*
Associate Professor KEETON

56. Diseases of the Heart.—With special reference to the graphic methods. 1. *I.* Associate Professor STRAUSS

57. Diseases of the Blood.—Demonstration course. (To one-eighth the class.) 1. *I.* Associate Professor MOORE

58. Practical Application of Blood Chemistry.—Demonstrations and practical work. (Limited to eight students.) 1 two-hour period (*eight weeks*). *I.*
Mr. ETS

59. Clinical Parasitology.—(Limited to eight students.) 1 two-hour period. (*eight weeks*). *I.* Miss Kaplan

60. Principles of Medicine.—Review course. 2 *I.*
Dr. Mora, Dr. Lifvendahl, Dr. Kronenberg

Course for Graduates

101. Research Work in Medicine.—*One to three units.* Professor Williamson

PEDIATRICS

Julius Hayes Hess, M.D., *Professor, in charge*
Henry Eugene Irish, M.D., *Associate Professor*
Maurice Lamm Blatt, M.D., *Associate Professor*
Lester Edward Bower, A.B., M.D., *Assistant Professor*
Solomon Maxwell Goldberger, M.D., *Associate*
Isador Michael Levin, B.S., M.D., *Associate*
Joseph K. Calvin, B.S., M.D., *Associate*
Simon Leo Berman, B.S., M.D., *Associate*
Maxwell P. Borovsky, B.S., M.D., *Associate*
Joseph Greengard, B.S., M.D., *Associate*
Robert Ludwick Furby, M.D., *Instructor*
Israel Lytton Sherry, B.S., M.D., *Instructor*
Iris McKy Chamberlain, M.D., *Instructor*
Philip Rosenblum, M.D., *Instructor*
Max E. Engerman, B.S., M.D., *Assistant*
Carl Cohen, B.S., M.D., *Assistant*
Benjamin M. Levin, B.S., M.D., *Assistant*
Lawrence J. Wilhelmi, B.S., M.D., *Assistant*
James J. Leach, M.D., *Assistant*
Norbert Pauker, B.S., M.D., *Assistant*
Merrill Ralph Jacobs, B.S., M.D., *Assistant*
William Lloyd Kemp, B.S., M.D., *Assistant*

General Statement

The work in pediatrics is given in the third and fourth years. So far as possible the course is one of individual instruction, the class being divided into small groups for clinical work.

Required Courses—Third Year

1. Practice and Clinic.—Nutrition and nutritional disturbances in infancy. Lectures; clinical conferences. 1. *I.* Professor Hess

4. Practice.—Recitations. 1. *I.* Associate Professor Irish and assistants

9. Clinic.—Cook County Hospital. Contagious diseases. In groups. 2. (*four weeks*). *I.* Assistant Professor Bower, Dr. Borovsky

Optional Courses—Third Year

50. Clinic.—Cook County Hospital. In groups. 1 two-hour period. (*four weeks*). *I.* Dr. Rosenblum

51. **Clinic.**—Cook County Hospital. In groups. 1 two-hour period. (*four weeks*). *I.* Dr. Calvin

Required Courses—Fourth Year

10. **Clinic.**—Dispensary; Research Hospital. In sections. 3 two-hour periods. (*four weeks*). *I.* Dispensary Staff

12. **Clinic.**—Cook County Hospital. In groups. 1 two-hour period. *I.* Professor Hess

21. **Clinic.**—Cook County Hospital. In groups. 1 two-hour period. (*four weeks*). *I.* Associate Professor Blatt

7. **Clinic.**—Cook County Hospital. Physical diagnosis and demonstration of cases. In groups. 1 two-hour period. 2. (*four weeks*). *I.* Associate Professor Irish

Optional Courses—Fourth Year

52. **Pediatric Diagnosis and Therapy.**—Research Hospital. 1 two-hour period. (*four weeks*). *I.* Professor Hess, Dr. Berman

53. **Laboratory Diagnosis.**—Research Hospital. 1 two-hour period. (*four weeks*). *I.* Dr. Berman

54. **Clinic.**—Michael Reese Hospital. In groups. 1 two-hour period. (*four weeks*). *I.* Professor Hess

55. **Pediatrics.**—Dispensary; Research Hospital. 6 two-hour periods. (*two weeks*). *I.* Dispensary Staff

Course for Graduates

101. **Research work in Pediatrics.**—*One to three units.* Professor Hess

NEUROLOGY AND PSYCHIATRY

Harold Douglas Singer, M.B., M.D., *Professor of Psychiatry, in charge*
Georg Boris Hassin, M.D., *Professor of Neurology*
Haim I. Davis, M.D., *Professor of Clinical Psychiatry*
Isadore B. Diamond, M.D., *Assistant Professor of Neurology and Psychiatry*
David Mortimer Olkon, B.S., A.M., M.D., *Assistant Professor of Neurology*
Harold Stacey Hulbert, M.D., *Associate in Neurology*

Required Course—Third Year

1. **Neurology.**—Didactic medicine. 1. *I.* Assistant Professor Olkon, Dr. Hulbert

Required Courses—Fourth Year

2. **Neurology.**—Lectures and demonstrations. 1 two-hour period. *II.* Professor Hassin

3. **Dispensary.**—8 two-hour periods. *I.* Assistant Professor Diamond, Assistant Professor Olkon, Dr. Hulbert

4. **Psychiatry.**—Lectures and case demonstrations. 1½. *I.* Professor Singer, Professor Davis

OPTIONAL COURSES—FOURTH YEAR

50. Neuropathology.—1. (*eight weeks*). *I.* (Given once in each semester; limited to one-half the class.) Professor HASSIN

51. Clinical Psychiatry.—Psychopathic Hospital. 1 two-hour period. (*four weeks*). (Given twice each semester.) Professor SINGER, Professor DAVIS

ROENTGENOLOGY

ADOLPH HARTUNG, M.D., *Professor of Radiology, in charge*
ALBERT BACHEM, Ph.D., *Professor of Bio-Physics*

REQUIRED COURSE—FOURTH YEAR

4. Roentgenology.—Practice and demonstration in the use of X-ray in medicine and surgery. 1. *I.* Professor HARTUNG

OPTIONAL COURSE—FOURTH YEAR

50. Principles of Physiotherapy.—X-ray, radium, ultra-violet, diathermy, etc. 1. *I.* Professor BACHEM

HISTORY OF MEDICINE

BERNARD JOHN CIGRAND, B.S., M.S., D.D.S., *Lecturer*

OPTIONAL COURSE—FOURTH YEAR

51. History of Medicine.—1. *I.* Dr. CIGRAND

OBSTETRICS AND GYNECOLOGY

FREDERICK HOWARD FALLS, B.S., M.S., M.D., *Professor and Head of the Department*

OBSTETRICS

FREDERICK HOWARD FALLS, B.S., M.S., M.D., *Professor, in charge*
HENRY FOSTER LEWIS, A.B., M.D., *Professor*
OTTO HERMAN ROHRLACK, Ph.G., M.D., *Associate Professor*
WALTER CHARLES HAMMOND, M.D., *Assistant Professor*
JULIUS ERNEST LACKNER, B.S., M.D., *Assistant Professor*
HANS NACHTIGALL, M.D., *Associate*
EUGENE CARY, B.S., M.D., *Associate*
CHARLES NEWBERGER, B.S., M.D., *Associate*
MARSHALL DANIEL HAYES, B.S., M.D., *Instructor*
EDGAR THERON BLAIR, B.S., M.D., *Instructor*
JAMES EDWARD FITZGERALD, A.B., M.D., *Instructor*
FRANKLIN HALL, M.D., *Instructor*
JAMES T. GROOT, B.S., M.D., *Instructor*
WADE MARTIN, M.D., *Instructor*
LOUIS J. HALPERN, B.S., M.D., *Assistant*

General Statement

The course in obstetrics is presented in the second, third and fourth years.

In the second year the student is given a series of lectures and quizzes and is assigned collateral reading covering the anatomy, embryology and physiology of pregnancy and the puerperium.

In the third year in connection with manikin, laboratory and dispensary courses, lectures and quizzes on the pathology of pregnancy and the puerperium are presented.

In the fourth year amphitheater clinics in the Research and Educational Hospital with demonstrations and operations are given to groups, together with bedside clinics. In addition each student is required to spend two weeks full time service as a clinical clerk in the department.

Other clinical instruction in the nature of ward walks and demonstrations is given to small groups at the Cook County Hospital, St. Lukes Hospital, Mt. Sinai Hospital, and the Chicago Lying-In Hospital and Dispensary.

Fourth year students are required to take two weeks in residence in the outpatient service of the Chicago Lying-In Hospital and dispensary where ample opportunity for practical experience in the delivery of patients in the home under proper supervision is afforded. A fee of fifteen dollars, payable in advance at the dispensary, is charged for this course. For those who cannot be accommodated in this course a two week externeship at the Research and Educational, Grant and Cook County Hospitals has been provided.

Clinical clerkships involving daily attendance in the wards from 8 a. m. to 5 p. m. for two weeks are arranged for seniors. Training in history writing, assisting in the operating and delivery rooms, and in the giving of anaesthetics is provided.

Required Courses—Second Year

1. **Physiology of Pregnancy and Labor.**—2. *I.*

Professor Falls, Assistant Professor Hammond, Assistant Professor Lackner, Dr. Hall, Dr. Theisen

Required Courses—Third Year

2. **Pathology of Pregnancy and Labor and the Puerperium.**—Lectures, quizzes and demonstrations. 2 *I.*

Professor Falls, Associate Professor Rohrlack, Assistant Professor Lackner, Dr. Nachtigal, Dr. Rose

3. **Manikin.**—Obstetrical operations are demonstrated and practice is afforded the student to do the operations on the manikin under supervision and to become thoroughly familiar with the instruments and technique of such operations. The work is given to small groups so that individual instruction is possible. One-fourth class. 1 two-hour period. (*eight weeks*). *II.*

Professor Falls, Dr. Newberger, Dr. Martin, Dr. Rose, Dr. Hall

4. **Clinics.**—Clinics are held for small groups at Cook County Hospital, St. Luke's Hospital, Mt. Sinai Hospital, Educational and Research Hospital. 1 two-hour period (*eight weeks*). *I.*

Professor Falls, Professor Lewis, Dr. Carey, Dr. Newberger

7. Dispensary out-clinic.—3 two-hour periods (*three weeks*). *I.*
Dr Groot, Dr. Martin, Dr. Hall, Dr. Fitzgerald

Required Courses—Fourth Year

25. Clinic.—Research and Educational Hospital. To small groups. 4 two-hour periods. (*two weeks*). *I.* Professor Falls

27. Bedside Clinic.—Research and Educational Hospital. To small groups. 4 two-hour periods. (*two weeks*). *I.*
Professor Falls, Assistant Professor Hammond, Dr. Groot, Dr. Theisen

15-16a. Obstetrical Laboratory.—The student studies gross and microscopic specimens of the more common obstetrical complications such as Ruptured uterus, Ablatio placenta, Puerperal sepsis, Ectopic pregnancy, Hydatid and blood moles, and various diseases and abnormalities of the fetus and newborn. Bacteriological as well as pathological material is presented and fresh specimens when available. 1 two-hour period. *(eight weeks). I.*
Professor Falls, Assistant Professor Hammond, Dr. Fitzgerald, Dr. Groot

28. Obstetrical Complications.—Various complications of obstetrical cases are demonstrated and discussed. 1. *(eight weeks). I.*
Professor Falls, Associate Professor Rohrlack, Assistant Professor Lackner

Optional Courses—Third and Fourth Years

(Will not be given for less than 5 or more than 15 students)

50. Toxemias of Pregnancy.—1. *I.*	Dr. Newberger
51. Physiology of Pregnancy.—1. *I.*	Dr. Groot
52. Puerperal Sepsis.—1. *I.*	Dr. Martin
53. Sterility and Conception.—1. *I.*	Assistant Professor Lackner
54. Review course.—1. *I.*	Dr. Rose
55. Obstetrical Pathology.—1. *I.*	Dr. Nachtigal
56. Heart complications in Pregnancy.—1. *I.*	Dr. Fitzgerald

Courses for Graduates

101. Research Work in Obstetrics and Gynecology.—*One to three units.*
Professor Falls

GYNECOLOGY

Channing Whitney Barrett, M.D., *Professor, in charge*
Egan Walter Fischmann, M.D., *Associate Professor*
John Michael Lang, M.D., *Assistant Professor*
Frank Lee Stone, M.D., *Assistant Professor*
Leo Anthony Juhnke, M.D., *Associate*
Goldye Hoffmann, M.D., *Associate*
Abraham Fae Lash, B.S., M.D., *Instructor*
Julius Ernest Fleischner, B.S., M.D., *Instructor*
James T. Groot, B.S., M.D., *Instructor*

General Statement

The course in gynecology is presented in the fourth year. It includes lectures and quizzes, laboratory and demonstration, seminar, ampitheater clinic and dispensary clinic.

The student has been given the fundamentals of the anatomy and physiology of the subject in connection with his obstetrical work in the third year.

The didactic work consists of lectures and quizzes to half the class throughout the year. Laboratory work, including demonstrations of gross and microscopic specimens, is given to small groups in eight one-hour periods. The seminar work is conducted in small groups and is designed to familiarize the student with the sources of information on this subject. Complete files of the important journals are available in the main library. Students prepare and present papers on gynecological subjects and these are discussed by the group.

The clinical work consists of clinics at the Cook County Hospital and at the Research and Educational Hospital. Bedside instruction, stressing preoperative preparation and postoperative treatment, is presented to small groups.

In the out-patient dispensary the student is trained in history taking, gynecological examinations, and the treatment of ambulatory patients.

Required Courses—Fourth Year

1. **Lecture and quiz.**—(One-half the class.) 1. *I.*
Professor Falls, Professor Barrett, Associate Professor Fischman, Assistant Professor Stone, Assistant Professor Lackner

2. **Laboratory and demonstration.**—1. (*eight weeks*). *I.*
Dr. Juhnke, Dr. Lash, Dr. Stone

4. **Seminar.**—1. (*eight weeks*). *I.*
Assistant Professor Lang, Dr. Hoffman, Dr. Fleichner

7. **Clinic.**—Cook County Hospital. Operative and demonstration course. 1 two-hour period. *I.* Professor Falls, Professor Barrett

15-16. **Clinic Dispensary.**—Small groups are instructed in history taking and physical examinations and are permitted to treat minor gynecological complaints under supervision. 3 two-hour periods. (*three weeks*). *II.*
Associate Professor Fischman, Assistant Professor Lang, Dr. Stone, Dr. Juhnke, Dr. Hoffman, Dr. Lash, Dr. Fleichner

Optional Courses—Fourth Year

50 **Pelvic neoplasms.**—1. *I.* Dr. Stone
51. **Pelvic inflammation.**—1. *I.* Dr. Lash
52. **Uterine hemorrhages.**—1. *I.* Associate Professor Fischmann
53. **Menstrual disorders.**—1. *I.* Assistant Professor Lang
54. **Gynecological and obstetrical tuberculosis.**—1. *I.* Dr. Juhnke

OPHTHALMOLOGY

Edward Vail Lapham Brown, B.S., M.D., *Professor and Head of the Department*
Francis Lane, A.B., M.D., *Professor*

Hallard Beard, B.S., M.D., *Associate*
William Franklin Moncreiff, M.S., M.D., *Associate*
Louis Bothman, B.S., M.D., *Associate*
Lyman A. Copps, A.B., B.S., M.D., *Associate*
Beulah Cushman, B.S., M.D., *Assistant*
Elvin Mann Hartlett, M.D., *Assistant*
Max Lyon Folk, M.D., *Assistant*

Required Courses--Fourth Year

1. **Clinic and Practice.**—Dispensary, clinic, and laboratory course. This includes the normal and pathological anatomy of the eye, practice in the use of ophthalmoscope, perimeter, focal light, and test charts, and the study of those eye diseases which the general practitioner most frequently encounters. The student is especially trained in the taking of histories of eye patients. 4 two-hour periods. (*four weeks*). *I.*

Professor Brown, Dr. Beard, Dr. Folk

2. **Didactic Ophthalmology.**—Stereopticon demonstrations and quizzes. 2 one-hour periods (*four weeks*). ————

3. **Ophthalmoscopy.**—2 one-hour periods (*four weeks*). ————

4. **External Diseases and Ophthalmoscopy.**—1 two-hour period (*four weeks*).

Professor Lane

Optional Course—Fifth Year

50. Ophthalmology.

1. Methods of Clinical Examinations (9-12 a. m. daily), 12 months.
2. Methods of Laboratory Examination (2-5 p. m. daily), 8 months.
3. Surgical work in the hospital (12-1 p. m. daily), 12 months.
4. Study of classical monographs and preparation of 25 case-histories for "The National Board of Ophthalmic Examinations" (2-5 p. m. daily), 4 months.

Physicians' Extension Courses in Ophthalmology

6. **Clinical Course.**—Designed for those who wish to take up ophthalmology as a specialty. The course affords individual training in standardized methods. The work is of a practical case-study nature.

A given method or process, such as retinoscopy or perimetry, is first explained and demonstrated. The physician is then assigned a case in which the data have been previously determined by the instructor. The physician makes an independent study and reports his findings to the instructor for criticism and grading. The process is continued until a reasonable degree of accuracy has been attained. Only one process is studied at a time. Processes taught are: I. Determination of Central Visual Acuity, Neutralization of Lenses, Retinoscopy, Refraction (with Cycloplegia and without), Tonometry, Determination of Degrees of Strabismus or Paralysis, Types of Discs (Elschnig's Classification). II. Measurement of Disc Levels, Perimetry, Objective Findings in External and Fundus Disease, Case-History Writing and Diagnosis, Prognosis, and Treatment of a given case as a whole. This course extends over sixteen months. The first four months' work covers the first seven processes, the second four months covers the next four, and the last eight months completes the course. Pathology is taken with undergraduate students. In the third period classical monographs are abstracted. Hours: 9 to 12 a. m., 6 days per week. THE STAFF

The fee for each period of four months is $50.00.

7. **Pathology of the Eye.**—Four months. Hours to be arranged. *I.* Professor BROWN, Professor LANE

COURSE FOR GRADUATES

101. **Research work in Ophthalmology.**—*One to three units.* Professor BROWN

PATHOLOGY AND BACTERIOLOGY

DAVID JOHN DAVIS, Ph.D., M.D., *Professor and Head of the Department*
WILLIAM F. PETERSEN, B.S., M.D., *Professor*
RICHARD HERMAN JAFFE, M.D., *Associate Professor*
ISADOR PILOT, B.S., M.D., *Assistant Professor*
SAMUEL A. LEVINSON, B.S., M.D., *Associate*
BEN ZION RAPPAPORT, B.S., M.D., *Associate*
HENRY C. BECKER, M.D.V., *Assistant*
JOSEPH LEPAK, *Technician in chief*
STANLEY MOORE, *Technician*
HILDA PAULSEN, *Technician*
VALBORG VOSS, *Technician*

REQUIRED COURSES—FIRST YEAR

1. **General Bacteriology and Protozoology.**—Pathogenic bacteria and protozoa. Immunity. Lectures, demonstrations; 2: laboratory; 5½ hours. *I.* Professor DAVIS, Professor PETERSEN, Dr. PILOT and assistants

REQUIRED COURSE—SECOND YEAR

2. **General Pathology and Pathological Histology.**—General pathology; gross and microscopic study of fresh and preserved pathological material. Lectures, recitations, demonstrations; 3: laboratory; 7½ hours. *I.* Professor PETERSEN, Associate Professor JAFFE, Dr. LEVINSON

REQUIRED COURSES—THIRD YEAR

22. **Clinical Pathology.**—Microscopic, bacteriological, and chemical examination of blood, urine, sputum, feces, stomach contents, exudates, etc. 2 two-hour periods. *I.* Dr. RAPPAPORT and assistants

23. **Special Pathology and Autopsies.**—Gross and microscopic examination of organs, autopsies, post-mortem bacteriology, and experimental pathology. 5. *I.* Professor DAVIS, Professor PETERSEN, Associate Professor JAFFE, Dr. PILOT, Dr. RAPPAPORT

27. **Preventive Medicine.**—General principles of prevention or disease. Epidemiology. Prevention of disease as applied to the specific diseases and the specialties. Lectures and demonstrations; 2. (*twelve weeks*). *I.* Professor DAVIS

REQUIRED COURSE—FOURTH YEAR

29. Public Health.—Organization of health departments and the work of the divisions of the same; vital statistics, inspection of schools and factories; sanitation; food supply and control; public welfare. Lectures and practical work. 3 (*eight weeks*). *I.* Dr. BECKER

OPTIONAL COURSES

50. Pathology, Bacteriology and Immunity of Tuberculosis.—6. *I.* (second semester—second year.) Professor PETERSEN and Dr. LEVINSON

51. Advanced Work and Research.–(Limited to properly qualified students.) 6. *I.* Professor DAVIS, Professor PETERSEN

52. Advanced Work in Special Diagnostic Laboratory Methods.—(Limited to a few qualified students.) 6. *I.* Dr. PILOT, Dr. RAPPAPORT

55. Diagnosis of Tumors.—(Open to students who have had courses in general and special pathology.) 6. *I.* Dr. JAFFE

COURSES FOR GRADUATES

101. Advanced Pathogenesis.—Pathology and Bacteriology. *One or two units.* Professor DAVIS, Professor PETERSEN, Dr. JAFFE

105. Individual Research.—*One or two units.* Professor DAVIS, Professor PETERSEN, Dr. JAFFE

PHARMACOLOGY, MATERIA MEDICA AND THERAPEUTICS

HUGH ALISTER MCGUIGAN, B.S., Ph.D., M.D., *Professor and Head of Department*
WALTER JOHN RICHARD CAMP, B.S., M.S., M.D., *Associate*
CLYDE MASON SNOW, Ph.G., A.M., *Lecturer in Pharmacy and Materia Medica*
SEYMOUR J. COHEN, B.S., M.S., M.D., *Instructor*
JACOB SACKS, B.S., M.S., Ph.D., *Instructor*

REQUIRED COURSES—SECOND YEAR

(Prerequisites: Physiology, Course No. 1, or equivalent; Physiological Chemistry, Course No. 2 or equivalent.)

1. Pharmacology.—Lecture; 1: quiz; 1: laboratory; 1 two-hour period. *I.* Professor MCGUIGAN, Dr. CAMP, Dr. COHEN, Dr. SACKS

2. Pharmacy.—2. *I.* Mr. SNOW

3. Pharmacology.—Lecture or quiz; 2: Laboratory; 1 two-hour period. *I.* Professor MCGUIGAN, Dr. CAMP, Dr. COHEN, Dr. SACKS

REQUIRED COURSE—THIRD YEAR

4. General Therapeutics.—4. *I.* Professor MCGUIGAN

OPTIONAL COURSES—SECOND YEAR

(*Minimum registration:* 5 students for each course)

50. History of Pharmacology and Toxicology.—Review of modern books pertinent to the subject. 3. *I.* (Second semester.) Professor MCGUIGAN, Dr. CAMP, Dr. COHEN, Dr. SACKS

51. Materia Medica.—Prescription writing. 3. *I.* (Second semester.)
Professor McGuigan, Dr. Camp, Dr. Cohen, Dr. Sacks

52. Toxicology.—Symptomatology, pathology, treatment and indentification of poisons. 3. *I.* (Second semester.)
Professor McGuigan, Dr. Camp, Dr. Cohen, Dr. Sacks

53. Systemic Pharmacology.—(a) Eye, (b) digestive system, (c) respiratory system, (d) autonomic nervous system, (e) blood, (f) circulatory organs, heart and kidneys. 6. *I.* (Second semester.)
Professor McGuigan, Dr. Camp, Dr. Cohen, Dr. Sacks

Optional Course—Third and Fourth Years

54. Therapeutics.—Consideration of disease from physiological and pathological standpoints, rational treatment. 3. *I.* (First or second semester.)
Professor McGuigan, Dr. Camp, Dr. Cohen

Courses for Graduates

101. Advanced Pharmacodynamics.—*One or two units.* Professor McGuigan

103. Research work in Pharmacodynamics.—*One or two units.*
Professor McGuigan

PHYSIOLOGY AND PHYSIOLOGICAL CHEMISTRY

George Peter Dreyer, A.B., Ph.D., *Professor and Head of Department*
William Henry Welker, A.C., Ph.D., *Professor of Physiological Chemistry*
Olaf Bergeim, B.S., M.S., Ph.D., *Assistant Professor of Physiological Chemistry*
Robert M. Oslund, A.B., Ph.D., *Assistant Professor of Physiology*
Arthur Gideon Cole, B.S., *Instructor in Physiological Chemistry*
Robert E. Johannesen, B.S., *Instructor in Physiology*
Alden Kinney Boor, B.S., M.S., *Assistant in Physiological Chemistry*
Clarence A. Johnson, B.S., *Assistant in Physiological Chemistry*
John M. Thomas, *Mechanic and Technician in Physiology*
Ocie R. Burns, Ph.G., *Assistant Technician in Physiological Chemistry*

General Statement

The course in physiology is articulated with the other subjects in the curriculum to secure the maximal degree of correlation. Due emphasis is placed on the laboratory work. The standard equipment, as ordinarily provided for the fundamental experiments of the science, is supplemented by special apparatus for the study of clinical problems relating to circulation, respiration, vision, and the nervous system.

The laboratory exercises are selected not only to illustrate and to vitalize the subject-matter of the didactic course, but also to supply the useful technical training and to develop interest in the methods and problems of original investigation. Facilities and equipment are available for those who desire to take advanced work or engage in research.

For the work in chemistry, three laboratories are equipped for routine instruction. Additional rooms for the preparation of class work and for metabolism experiments are connected with these laboratories. Research and graduate work are conducted in the chemistry suite of the Research Laboratory and

Library Building. For the use of advanced students and investigators the nucleus of a chemical library, embracing the principal works of reference, is kept in the laboratory. The main library contains complete files of the more important journals of biochemistry.

REQUIRED COURSES—FIRST YEAR

1. Physiology.—Blood and lymph, muscle and nerve, central nervous system. Lectures and recitations; 2: demonstration and laboratory; 3. *I.*
Professor DREYER, Assistant Professor OSLUND and assistants

2. Physiological Chemistry and Toxicology.—Lectures, demonstrations, conferences; 2½: laboratory; 8. *I.*
Professor WELKER, ASSISTANT PROFESSOR BERGEIM, Mr. COLE and assistants

REQUIRED COURSE—SECOND YEAR

3. Physiology.—Circulation, respiration, secretion, digestion and absorption, excretion, metabolism, special senses. Lectures, recitations, demonstrations; 4: laboratory; 6. *I.* Professor DREYER and assistants

OPTIONAL COURSES

(*Prerequisites:* In physiology, courses 1 and 3, in chemistry, course 2.)

51. Advanced Laboratory Work.—Physiological demonstrations and research; graphic methods.
Professor DREYER, Assistant Professor OSLUND, Dr. LEE, Mr. JOHANNESEN

52. Physiological Optics.—3. *I.* Professor DREYER

53. Internal Secretion.—3. *I.* Assistant Professor OSLUND

54. Gastro-Intestinal Tract.—3. *I.* Mr. JOHANNESEN

60. Vitamins.—A study of deficiency diseases especially in experimental animals. 6. *I.* Assistant Professor BERGEIM

61. Blood Chemistry.—Methods of analysis. 6. *I.* Mr. COLE

62. Preparation of Pure Proteins.—6. *I.* Professor WELKER

63-64. Physiological Seminar.—Members of the teaching staff and advanced students meet weekly to discuss special topics suggested by current research and the journal literature.

65-66. Biochemical Seminar.—The members of the teaching staff and graduate students in physiological chemistry meet weekly to discuss the current literature.

Research.—The laboratories are open to persons with the requisite scientific training for the conduct of original investigations under the direction of the members of the staff.

COURSES FOR GRADUATES

101. Advanced Biological Chemistry.—Biochemical methods of research, biological colloids, enzyme action, and metabolism. *One or two units.*
Professor WELKER, Assistant Professor BERGEIM

103. Biochemical Research.—*One or two units.*
Professor Welker, Assistant Professor Bergeim

SURGERY

Carl A. Hedblom, A.M., M.D., Ph.D., D.Sc., *Professor of Surgery and Head of the Department*

GENERAL SURGERY

Carl A. Hedblom, A.M., M.D., Ph.D., D.Sc., *Professor, in charge*
Charles Edward Humiston, M.D., D.Sc., *Professor*
Nelson Mortimer Percy, M.D., *Professor*
Louis Schultz, D.D.S., M.D., *Professor of Oral Surgery*
Frederick George Dyas, M.D., *Professor*
Benjamin Franklin Lounsbury, B.L., M.D., *Associate Professor*
Charles Herbert Phifer, M.D., *Associate Professor*
John Ross Harger, B.S., M.D., *Assistant Professor*
George Luther Davenport, M.D., *Assistant Professor*
Augustus George Zimmerman, LL.B., M.D., *Assistant Professor*
Edmund Andrews, A.B., M.D., *Assistant Professor*
Oscar Eugene Nadeau, B.S., M.D., *Assistant Professor*
Arrie Bamberger, B.S., M.D., *Associate*
Ralph Charles Sullivan, A.B., A.M., M.D., *Associate*
Frederick Christopher, B.S., M.D., *Associate*
John D. Koucky, B.S., M.D., *Associate*
Lindon Seed, A.B., M.S., M.D., *Associate*
Arthur Ray Metz, A.B., M.D., *Associate*
Archie James Graham, B.S., M.D., *Instructor*
Carl E. Wagner, A.B., M.D., *Instructor*
Henry O. Wernicke, A.B., M.D., *Instructor*
Dennis Rider Wood Crile, B.S., M.D., *Instructor*
Manfred U. Prescott, B.S., M.D., *Instructor*
Ralph A. Kordenat, M.S., M.D., *Instructor*
Adolph Kraft, M.S., M.D., *Instructor*
Jerome R. Head, A.M., M.D., *Instructor*
Henry Max Amberson, B.S., M.D., *Instructor*
Benjamin Braude, B.S., M.S., M.D., *Assistant*
Irving Robert Browning, B.S., M.D., *Assistant*
Morris Louis Parker, B.S., M.D., *Assistant*
Chauncey Carter Maher, B.S., M.D., *Assistant*

General Statement

Instruction in surgery is begun in the second semester of the second year and continues throughout the third and fourth years.

In the second semester of the second year a course of lectures and demonstrations is given touching on the history of surgery and outlining the fundamental principles of surgery with special reference to asepsis, anaesthesia, wound healing, shock, hemorrhage and some of the infectious conditions.

In the third year, instruction consists of a systematic course in regional surgery, instruction in history taking, minor surgery and surgical dressings in the dispensary, and of clinical and operating room demonstrations in which diagnosis, surgical indications and pathology are chiefly stressed.

In the fourth year the clinical and operating room demonstrations continue and each student is required to serve for a stated period as clinical clerk in the surgical wards of the hospital. During this period, the student is required to take histories, do physical examinations under the supervision of members of the staff on cases assigned to him. He is also expected to be present at operations on patients he has studied, to make a careful study of any pathological specimens removed, to follow the patient's convalescence and to embody his observations together with the result of collateral reading bearing on the case in the case history which he submits as the basis for credit. The student is also expected to be present at all post-mortems performed at the hospital during the period of his clerkship.

In addition to the above mentioned required work, optional courses are offered including surgical anatomy, operative surgery on the cadaver and on animals and in some of the surgical specialties.

For those students who desire to augment their instruction in surgery a number of electives are offered including courses in surgical anatomy, operative surgery on animals and on the cadaver and in the surgical specialties.

REQUIRED COURSE—SECOND YEAR

1. **Fundamental Principles of Surgery.**—Asepsis, Anaesthesia, Shock, Hemorrhage, Septicemia, Surgery of the Skin, Blood vessels and Lymphatics and Surgical Dressings. 2. *I.* Professor HEDBLOM and staff

REQUIRED COURSES—THIRD YEAR

(NOTE: Of the following courses 112 hours will be assigned each student)

2. **Regional Surgery and Surgical Pathology.**—Conferences, demonstrations, recitations. 2 two-hour periods. *I.*
Associate Professor PHIFER, Dr. SEED, Dr. BAMBERGER, Dr. SULLIVAN

7-8. **Clinic.**—Dispensary. Research and Educational Hospital. History taking, Diagnosis, Minor Surgery and Surgical Dressings. 3 two-hour periods. *(three weeks). II.*

Dr. SEED, Dr. KOUCKY, Dr. BAMBERGER, Dr. KORDENAT, Dr. KRAFT, Dr. AMBERSON, Dr. PRESCOTT

5. **Surgical Diagnosis.**—Research and Educational Hospital. 1 two-hour period. *I.* Professor HEDBLOM

6. **Clinic.**—Research and Educational Hospital. 1 two-hour period. *I.*
Assistant Professor ANDREWS

11. **Clinic.**—Cook County Hospital. 1 two-hour period. *I.*
Professor DYAS

13. **Clinic.**—Augustana Hospital. 1 two-hour period. *I.* Professor PERCY

14. **Anaesthetics.**—Practical demonstrations to individaul students at the Augustana Hospital. 1 two-hour period. *I.*

Optional Courses—Third Year

50. **Principles of Surgery.**—A review course. 1. *I.*

———————

51. **Surgical Diagnosis.**—1. *I.* Dr. Christopher

52. **Operative Surgery of the Abdomen.**—1. *I.* Dr. Graham, Dr. Braude

53. **Surgery of Fractures.**—1. *I.* Dr. Crile

54. **Preoperative and Postoperative Treatment.**—1. *I.*
Assistant Professor Nadeau

55. **Anaesthesia, Blood Transfusion, Surgical Dressings, and Bandaging.**—Individual instruction and demonstration. 1. *I.* Dr. Head

56. **Special Features.**—Lectures, Recitations, Conferences. 2. *I.*
Assistant Professor Davenport

57. **Surgical Pathology.**—2. *I.* Assistant Professor Nadeau

58. **Intravenous Therapy.**—1. *I.* Dr. Kordenat

Required Courses—Fourth Year

(Note: Of the following courses 188 hours will be assigned each student)

20. **Clinic.**—Research and Educational Hospital. 1 two-hour period. *I.*
Professor Hedblom

21. **Surgical Diagnosis.**—1 one-hour period. *I.* Professor Humiston

22. **Clinic.**—Research and Educational Hospital. 1 one-hour period. *I.*
Dr. Seed

23. **Clinic.**—Research and Educational Hospital. 1 two-hour period. *I.*
Dr. Koucky

24. **Clinic.**—Cook County Hospital. 1 two-hour period. *I.* Professor Dyas

36. **Clinic.**—Cook County Hospital. 1 two-hour period. I.
Assistant Professor Davenport

32. **Clinic.**—Augustana Hospital. 1 two-hour period. *I.* Professor Percy

33. **Clinic.**—St. Luke's Hospital. 1 two-hour period. *I.* ———————

25. **Clinic.**—Washington Boulevard Hospital. 1 two-hour period. *I.*
Associate Professor Lounsbury

26. **Surgical Pathology.**—Laboratory. 1 two-hour period. (*eight weeks*). *I.*
Assistant Professor Nadeau, Dr. Head

27. **Clinical clerkship.**—Research and Educational Hospital. History taking, physical examinations, laboratory examinations, ward walks and operative demonstrations. 7 hours per day. *(two weeks). I.*
Assistant Professor Andrews and surgical staff

(Note: Students will not be held responsible for assigned work while taking clinical clerkship.)

OPTIONAL COURSES—FOURTH YEAR

56. Regional Surgery.—A review course. 1 two-hour period. I.
Professor ——————

57. Surgery of the Central Nervous System.—1. *I.*
Assistant Professor DAVENPORT

58. Surgery of the neck.—1. *I.* Assistant Professor NADEAU

59. Surgery of the neck.—1. *I.* Dr. SEED

60. Surgery of the Thorax.—1. *I.* Professor HEDBLOM, Dr. HEAD

61. Surgery of the Abdomen.—1. *I.* Professor HUMISTON

62. Surgery of Hernia.—Lectures, lantern slide demonstration.—1. *I.*
Assistant Professor ANDREWS

63. Surgery of Fractures.—1. *I.* Professor THOMAS

64. Surgery of the Spleen and Anaemias.—1. *I.* Professor PERCY

65. Surgical Diseases of the Bladder.—1. *I.* Professor McKENNA

66. Operative surgery on the cadever.—Regional Surgical Anatomy. Individual demonstration. 1 two-hour period. *I.*
Associate Professor LOUNSBURY and staff

67. Seminar.—Intensive study of a subject of the student's own selection. 1 two-hour period. *I.* Assistant Professor ANDREWS

68. Operative surgery on animals.—1 two-hour period. *I.* Dr. KOUCKY

69. Regional Surgical Anatomy.—1 two-hour period. *I.* Dr. CRILE

70. Research on assigned problems to those qualified.—
Professor HEDBLOM and staff

COURSE FOR GRADUATES

101. Research Work in Surgery.—*One to three units.* Professor HEDBLOM

GENITO-URINARY SURGERY

CHARLES MORGAN MCKENNA, B.S., M.D., *Professor, in charge*
HARRY CULVER, M.S., M.D., *Associate Professor*
RUSSELL DORR HERROLD, B.S., M.D., *Associate*
VINCENT JOHN O'CONOR, B.S., M.D., *Associate*
EDWIN WALTER HIRSCH, B.S., M.D., *Instructor*

REQUIRED COURSES—THIRD YEAR

3. Practice.—Conferences, recitations. In sections. 1. *I.*
Professor McKENNA, Associate Professor CULVER, Dr. HERROLD, Dr. O'CONOR

5-6. Clinic.—Dispensary. In sections. 6 two-hour periods. (*two weeks*). *II.*
Professor McKENNA, Dr. ——————

Optional Course—Third Year

50. Advanced Genito-Urinary Surgery.—1. *I.*
Professor McKenna, Dr. Herrold, Dr. O'Conor

Required Courses—Fourth Year

12. Clinic.—Cook County Hospital. Individual instruction in the diagnosis of genito-urinary diseases, including cystoscopy, catherization of the ureters, interpretation of roentgenograms and of chemical and microscopical urinalyses. In sections. 1 two-hour period. (*six weeks*). *I.* Associate Professor Culver

13. Clinic.—Research and Educational Hospital. In sections. 1 two-hour period. (*four weeks*). *I.* Professor McKenna

Optional Courses—Fourth Year

51. Surgery of the Genito-Urinary tract.—1. *I.* Professor McKenna

52. Surgical Diseases of the Kidney.—1. *I.* Assistant Professor Culver

ORTHOPEDIC SURGERY

Henry Bascom Thomas, B.S., M.D., *Professor, in charge*
John Perley Sprague, A.B., M.D., *Assistant Professor*
Marcus Hatfield Hobart, A.B., M.D., *Assistant Professor*
Frank George Murphy, B.S., M.D., *Associate*
Rudolph J. Mroz, B.S., M.D., *Instructor*
Walter Rathfon Fischer, B.S., M.D., *Assistant*

Required Courses—Third Year

3. Practice.—Conferences, recitations. In sections. 1. *I.*
Professor Thomas, Assistant Professor Sprague, Assistant Professor Hobart, Dr. Murphy, Dr. Mroz, Dr. Fischer

5. Clinic.—St. Luke's Hospital. 2. *I.*
Professor Thomas, Assistant Professor Hobart

15-16. Clinic.—Dispensary. In sections. 3 two-hour periods. (*three weeks*). *II.* Professor Thomas, Assistant Professor Sprague, Assistant Professor Hobart, Dr. Murphy, Dr. Mroz, Dr. Fischer

Optional Course—Fourth Year

50. Special Topics in Surgery of Joints.—Internal derangement of the knee-joint; orthopedic management of injuries and infections of the wrist-joint; bony blocking of joints. 1. *I.* Professor Thomas

PROVISIONAL SUMMARY OF HOURS

FIRST YEAR

Subjects	First Semester		Second Semester		Total
	Didactic	Laboratory	Didactic	Laboratory	
ANATOMY:					
Gross	16	112	16	112	256
Microscopic	48	88	32	96	264
Bacteriology	. .	. .	32	88	120
Physiological Chemistry	40	128	. .	. .	168
Physiology	. .	. .	32	48	80
	104	328	112	344	888

SECOND YEAR

Subjects	First Semester		Second Semester		Total
	Didactic	Laboratory	Didactic	Laboratory	
Medicines	16	. .	32	. .	48
Obstetrics	16	. .	16	. .	32
Pathology	48	120	. .	. .	168
Pharmacology	32	32	64	32	160
Physical Diagnosis	16	. .	. .	32	48
Physiology	64	96	. .	. .	160
Surgery	16	. .	16	. .	32
Electives	. .	. .	192	. .	192
	208	248	320	64	840

PROVISIONAL SUMMARY OF HOURS (Continued)

THIRD YEAR

Subjects	First Semester		Second Semester		Total
	Didactic	Clinical and Laboratory	Didactic	Clinical and Laboratory	
Autopsy and Pathology	..	32	..	48	80
Clinical Pathology	..	64	..	..	64
Dermatology	..	..	16	..	16
Genito-urinary Surgery	16	..	..	24	40
Hygiene	..	..	32	..	32
Medical Jurisprudence	..	..	16	..	16
Medicine	48	32	48	32	160
Obstetrics	32	16	..	34	82
Orthopedic Surgery	..	32	16	18	66
Otolaryngology	16	15	10	15	56
Pediatrics	16	..	16	8	40
Pharmacology	..	..	64	..	64
Surgery	64	..	..	48	112
Topographic Anatomy	..	96	..	..	96
Electives	80	..	88	..	168
	272	287	306	227	1092

FOURTH YEAR

Subjects	First Semester		Second Semester		Total
	Didactic	Clinical and Laboratory	Didactic	Clinical and Laboratory	
Dermatology	16	9	8	9	42
Genito-urinary Surgery	..	20	..	..	20
Gynecology	24	8	..	50	82
Hygiene	..	..	..	24	24
Medicine	32	54	16	70	172
Neurology	32	8	32	8	80
Obstetrics	..	32	..	24	56
Ophthalmology	24	32	..	..	56
Pediatrics	..	36	..	36	72
Psychiatry	..	..	24	..	24
Roentgenology	16	..	..	..	16
Surgery	16	80	..	92	188
Surgical Pathology	..	..	..	16	16
Electives	88	..	120	..	208
	248	279	200	329	1056

COLLEGE ORGANIZATIONS

THE YOUNG MEN'S CHRISTIAN ASSOCIATION

The Association at the College of Medicine is a branch of the Young Men's Christian Association of Chicago. The secretary, Lucius C. Hollister, maintains his headquarters immediately adjacent to the College of Medicine. He has charge of the Employment Bureau, Room Register, Student Information Bureau, and the social and religious activities of the student body.

The aim of the Association is service. It purposes to provide opportunity for the development of a varied program of service which will make for the attainment of the best in the individual and in the student body. The various activities are promoted by the cabinet—a group of student committees especially qualified for such service. The committees perform a special service through the employment bureau which is maintained to help those students who have to work their way through college.

ALUMNI ASSOCIATION OF THE COLLEGE OF MEDICINE OF THE UNIVERSITY OF ILLINOIS

President—Marshall Davison, '19, 432 S. Lincoln St., Chicago.
First Vice-President—M. S. Jordan, '01, Clinton, Iowa.
Second Vice-President—G. E. Stromberg, '09, Langdon, North Dakota.
Third Vice-President—L. P. Dawes, '05, Juneau, Alaska.
Secretary-Treasurer—John M. Krasa, '13, 3335 W. 26th St., Chicago.
Necrologist—F. H. Renberg, '05, 3037 Wentworth Ave., Chicago.
Chairman Executive Committee—E. R. Hayhurst, '08, 1925 Concord Road, Columbus, Ohio.
Historian—W. R. Larkin, '08, 1846 S. St. Louis Ave., Chicago.
Delegate to Alumni Council—J. M. Berger, '08, 4001 Madison St., Chicago.

Alpha Omega Alpha

Alpha Omega Alpha, an international honorary medical fraternity, with chapters in twenty-four "Class A" medical schools, was founded in the College of Medicine, in 1902.

Third and fourth year medical students who have a grade of scholarship ranking them in the upper one-sixth of their class are eligible for membership.

Group II, Class of 1926

Carl Adel Hedberg
Burton Richard Bancroft
Milton George Bohrod
Carlyle Bernard Bohner
Melton Burdett Burns
Sol Marvin Abelson
Alex George Marshall
Harold James Collins

Group I, Class of 1927

Louis Parmacek
William Boikansky
Marcus R. Caro
Sergius Felix Slutzkin

MEDICAL RESEARCH CLUB

The Medical Research Club, the object of which is the stimulation of scientific research, meets once a month for the discussion of original scientific contributions. Since its organization in January, 1914, many papers have been presented before the society. The spirit of generous competition and helpful criticism that prevails in this club has been a stimulus toward the production of an increasing number of valuable scientific contributions.

Graduate students and others giving promise of doing meritorious work are eligible to associate membership. Associate members have all the rights and privileges of the club except the right to vote.

Elected to Membership, 1925-1926

Active Members

James R. Head, A.B., A.M., M.D., *Instructor in Surgery*

Carl A. Hedblom, A.B., A.M., M.D., Ph.D., *Professor and Head of the Department of Surgery*

Robert M. Oslund, A.B., Ph.D., *Assistant Professor of Physiology*

Robert P. McFate, Ch.E., *Chemist to the Research and Educational Hospital*

Honorary Member

Ludvig Hektoen, M.D., D.SS., *Director of the McCormick Institute for Infectious Diseases*

Papers Read Before the Club—1925-26

"The Effect of Ultra-Violet Irradiation on the Autonomic Nervous System," Drs. Petersen and von Oettingen.

"Studies in Water Metabolism," Dr. E. Andrews.

"The Relation of Histidine and Its Derivatives to Growth," Dr. William C. Rose.

"Experimental Studies on Peritoneal Sensation," Dr. Walter Lehmann.

"Intradermal Salt Solution Test in Normal Pregnancy and Toxemic Pregnancy," Dr. A. F. Lash.

"Significance of Bacteriophage in Surface Water," Dr. L. Arnold.

"Studies on the Parathyroid Glands," Dr. N. F. Fisher and Mr. E. Larson.

"Positive and Negative Valence," Dr. William A. Noyes.

"The Regulatory Mechanism of the Gastro-Intestinal Bacteria Flora," Dr. L. Arnold.

"Malignant Lipoma," Dr. R. H. Jaffe.

"Intestinal Absorption of Calcium and Phosphorus," Dr. Olaf Bergeim.

"Prolonged Autonomic Effects Following Injection of Epinephrin and Pilocarpine in Oil Suspension," Dr. W. F. Petersen, Messrs. G. Milles and W. Boikansky.

"The Effect of Peptone Injections on Sensitization," Mr. G. Milles.

"Spore-Forming Bacteria in the Buccal Cavity," Mr. B. J. Cronwell.

"Bacteria of the Cow's Tonsil," Mr. M. B. Burns.

"Leucocytic Changes in Relation to Mental States," Dr. J. M. Mora, Messrs. L. A. Amtman and S. J. Hoffman.

"A New Protein from Tissue," Mr. L. Lifschultz.

"Studies of Cascara Sagrada," Messrs. M. Canan and J. B. Berardi.

"Peurperal Fever: Streptococcus Hemolyticus Toxin and Antitoxin," Dr. A. F. Lash and Miss Kaplan.

"Attempt to Control Parathyroid Tetany by the Oral Administration of Ammonium Chloride," Drs. T. E. Boyd, W. C. Austin and Mr. E. F. Ducey.

"The Anatomy of the Duodenal Portions of the Bile and Pancreatic Ducts," Dr. T. T. Job.

"Urinary Proteins. I. Crystalline Proteins of Nephritis," Drs. L. Hektoen, W. A. Thomas and W. H. Welker.

"Primary Acute Aortitis," Dr. B. Z. Rappaport.

"Studies on the Glycogen Content of Tuberculous Granulation Tissue," Drs. M. Pinner and R. H. Jaffe.

"The Chemistry of the Tubercle Bacillus and Tuberculin," Dr. Esmond R. Long.

"Leucocyte Reaction in Acute Inanition," Drs. M. H. Streicher and E. V. Emmel.

"Experimental Studies in Pericarditis," Dr. C. S. Williamson and Mr. H. N. Ets.

"Lactation Leucopenia and the Cellular Content of Mammary Secretion," Dr. V. E. Emmel.

"Antagonistic Action of Magnesium Sulphate to the Parathyroid Hormone," Dr. S. A. Matthews.

"Studies in the Autonomic Regulation During Malarial Fever," Dr. W. F. Petersen.

"Sugar Metabolism in Dehydration," Dr. E. Andrews.

"Malignant Tumor of Thymus," Dr. S. Brown.

"Postencephalitic Obesity," Dr. T. G. Walsh.

"Bacterial Protein-free Bacteriophage," Drs. L. Arnold and E. Weiss.

"Prophylactic and Therapeutic Possibilities of the Twort-d'Herelle's Bacteriophage," Drs. L. Arnold and E. Weiss.

"The Lateral Aperture of the Fourth Ventricle in Man," Dr. R. M. Strong.

"Some Aspects of Research," Dr. Ludvig Hektoen.

DEGREES CONFERRED

FIFTH YEAR CLASS

Session of 1925-26

Degree of Doctor of Medicine

Conferred August 1, 1925

John Robert Johnson, B.S.

Conferred August 3, 1925

Robert Woodruff Meals, B.S.

Conferred September 1, 1925

Eugene Albert Edwards, B.S.
Raymond August Toepfer, B.S.

Conferred October 1, 1925

George Creswell Burns, B.S.
Russell Walter Goebel, B.S.
William Beringer Marcusson, Jr., B.S.
Beulah Marie Smith, B.S.

Conferred October 6, 1925

Louis Joseph Halpern, B.S.

Conferred November 3, 1925

Henry Alpheus Merchant, B.S.

Conferred November 20, 1925

Louis William Perman

Conferred January 1, 1926

George Samuel Glassoff
William Lloyd Kenny, B.S.
Milton Henry Kronenberg, B.S.
Aloysius Francis Lenzen, B.S.
Richard Axel Lifvendahl, B.S.
Thomas Sanderson Robertson, B.S.
David Melman Shayne, B.S.
Frank John Smejkal, B.S.
Alfred P. Solomon, A.B.

Conferred February 9, 1926

Paz Garcia King, B.S.

Conferred March 16, 1926

Henry S. Testin

Conferred April 1, 1926

Michael Henry Streicher, B.S.

Conferred June 14, 1926

Reuben Bard, B.S.
Carroll LaFleur Birch, B.S.
Louis N. Boelio, B.S.
Kenneth Charles Brandenberg, B.S.
Herbert Harter Engelhard, B.S.
Casper Morey Epstein, B.S.
Stanley William Fahlstrom, B.S.
Carl Nathaniel Furness, B.S.
Jonathan Paul Gibbel, A. B.
Robert LeRoy Groves, A.B., B.S.
Fred C. Prehn, B.S.
William Gooding Shurtz, B.S.

Conferred June 15, 1926

Ray Conway Armstrong, B.S.
Grant Vahan Athanas, B.S.
John Benjamin Batko, B.S.
Hubert F. Harman, B.S.
Arshag Seuerian Killian, A.B.
Samuel Kuner, B.S.
Alonzo Maceo Mercer, B.S.
Clayton O. Miller, B.S.

Conferred June 17, 1926

Robert James Douglas, B.S.

Conferred June 21, 1926

John William McKinstry, B.S.

Conferred June 23, 1926

Max Mordecai Coppersmith, B.S.

Conferred July 1, 1926

Frank Lambert Alford
Howard Harvey Bass, B.S.
Charles John Besta, B.S.
Franklin Wetmore Blye
Robert Emerson Bond, B.S.
Walter Frederick Briney, B.S.
Nora Florence Brodboll, B.S.
William Dayton Carrell, B.S.
Marie Louise Connelly, A.B., B.S.
Juan Santos Cuyugan, A.B., B.S.
Morris M. Deitchman, B.S.
Howard Ivan Down, A.B.
Robert William Edwards, B.S.
Carl James Emmerling, B.S.
Enid Fillingham, A.B., B.S.
Alvin Christian Florin, B.S.
Kenneth Donald Graham, B.S.
Joseph Albert Harter, B.S.
Herman Weitzel Hawkins, B.S.
Lewis Rowland Hill, B.S., M.S.
Brooke Horsky, B.S.
Richard Frank Inman, B.S.
Paul Vadalin Jameson, A.B.
Herman Kamin, B.S.
George Manuel Katzman, B.S.
Bernard Samuel Kleinman, B.S.
Vincent Thomas James Lenth
Benjamin Levy, B.S.
Luther Mohler Lorance, B.S.
Donald Maxwell MacCornack, B.S. *(with honors)*
Raymond Stewart McCradie, B.S., M.S.
John Charles McMillan, B.S.
Andrew Robert Mailer, B.S.
Howard LaRue Marsh, B.S., M.S.
Leo Maslow, B.S.
Sol Meyerson, B.S.
George William Moxon, B.S.
Aaron Neiman, B.S.
Jacob Borah Ozonoff
Otto Bohumil Pavlin, B.S.
Oliver Conrad Pfeifer, B.S.
Emma Ponzer, A.B., B.S.
William Gallard Rinehart, Ph.G., B.S.
Harold H. Rosenbloom, B.S.
Samuel Rosenblum, B.S.
Jerome Rosengard,
Hector Morrison Ross
Jesse Casstevens Sculley, B.S.
Rachelle Seletz, B.S.
Leon Stanislaus Shalla, B.S.
Max Shifrin, B.S.
Samuel Shore
Allan Erwin Stamler, B.S.
Lars Eric Theodore Steinert, B.S.
Floyd Hough Steinman, B.S.
Sol Ascher Sugar, B.S.
Roy Thomas Sugars, B.S.
Stephen Williams Sukumlyn
Abraham M. Weinbaum
Wayne Shepherd Williamson
Woody Maurice Winston, A.B.
David Marndell Wong, B.S.
Samuel Young

Conferred July 15, 1926

Horace Frederick Smith, A. B.

Conferred August 1, 1926

John Michael Benedetto, B.S.
Lafayette Abbott Hedges, B.S.

Conferred August 15, 1926

Stuart A. Cameron, B.S.
Claude Lorraine Davison, A.B., B.S.

Conferred September 1, 1926

Lewis Rawlings Brewer, B.S.
Marion Purman Dorman, A.B.
Otto Victor Pawlisch, B.S.

Conferred September 3, 1926

Walter Averill Dawley

Conferred September 9, 1926

Bengt Norman Bengtson, B.S.

Conferred September 15, 1926

Herbert William Peterson

Conferred September 25, 1926

Edward Maurice Lipsett, A.B.

Conferred October 1, 1926

John Edward Fairchild, B.S.
Herman Louis Mishkin, B.S.
Lawrence Donat Ryan, B.S.

The Degree of Bachelor of Science

Conferred October 23, 1925

Nelson Hole Chesnut
Michael Zalman Pintzow
Robert Rosenberg

Conferred June 11, 1926

Abe Louis Aaronson
Wright Rowe Adams
Kenning Meredith Anderson
Jacob Morris Aronson
Clarence E. Bensema
Arthur Russell Brandenberger
Benjamin Davis Braunstein
Allen Maxwell Bruner
Hymen Jack Burstein
Paul Vincent Carelli, Jr.
Anson Luman Clark, M.E.
Kenneth George Cook, A.B., M.S. (*with honors*)
Carlos C. Craig
Fred Danziger
George Edward DeTrana (*with honors*)
Ralph Michael Di Cosola
Edwin Waldamar Edahl
Rowland Magnus Ekstrand
Burton Albert Finne
Fred Gittlestein
Michael Greenfield
Jack Greenwald
Paul Edward Haley
Frederick E. Haskins
Ida Heissig
Harold Herrin Hill
John George Hillebrand (*with honors*)
Thomas Jackson
Frank Douglas Jacobs, Jr.
Walter Franklin James
Edward Francis Joss
Joseph Hynek Just
Herbert John Kirchner
William Howard Knudson
Rollin H. Lester
Herman Levin
Maurice Levin
Howard Jack LeVine
Minna Libman, B.A.
Robert Hauawalt McCrackin, B.S.
Paul Howard McDaniel
Isadore Mallin
Hershel Meyer
Harold Montgomery Mortimer
Emanuel Padnos
Nell Treva Pattengale
Dwight Pence
Kenneth Norman Petri
Cloyd Pugh, B.S.
Glenn Raymond Ray
Walter Jacob Reich
Jacob Edgar Reisch
Cyril Brown Ritchie (*with honors*)
Vern William Ritter
Carlo Salvadore Scuderi
Isadore M. Shapiro
Daniel Andersen Simmons
Arch E. Spelman
Leland Manford Stilwell, A.B.
Charles Raymond Summers
Henning Melville Swenson, B.S.
James Sherwood Taylor
Sol Morton Weinstein
Lawrence Forrest Whittaker, B.S.
Lyle Joseph Willis

Certificate Presented June 11, 1926

Students who have completed four years of scheduled work in the College of Medicine of the University of Illinois, and who, upon the completion of a year of satisfactory interneship in a hospital approved by the University will be entitled to the degree of Doctor of Medicine.

Sol Marvin Abelson, B.S.
Harry Arlo Amesbury, B.S.
Leo Eisler Amtman, B.S.
Burton Richard Bancroft, B.S.
Huston J. Banton, B.S.
Albert Carlos Barber, B.S.
Cecil Frederick Barber, B.S.
Hubert Hugh Beguesse, B.S.
John Theodore Belting, B.S.
William Harold Bennett
Clinton A. Benzie, B.S.
James Bernard Berardi, Ph.G., B.S.
Theodore B. Bernstein, B.S.
Carlyle Bernard Bohner, B.S.
Milton George Bohrod, B.S.
Joseph Thomas Bolotin
Hugh Ginther Bridegroom, B.S.
Raymond Calvin Brown
John Willard Bull, B.S.
Norman Charles Bullock, B.S.
Melton Burdett Burns, B.S.
Mack Clelland Canan, B.S.
Claire Eugene Carr, B.S.
Harold Bernard Cassidy, B.S.
Nelson Hole Chesnut, B.S.
Joseph Casimer Ciesla, B.S.
Harold James Collins, B.S.
Ethelbert Fitz-Randolph Cox, B.S.
Joe P. Crabtree, B.S.
Chester Leo Crean
Bernard Johannes Cronwell, Jr., A.B., B.S.
Percy J. Delano, B.S.
Nicholas Demetrius Demetropulos
Ralph Micheal DiCosola
H. Manning Elliott, A.B., B.S.
Paul Henry Esslinger, A.B., B.S.
John Edward Eubanks, B.S.
Earl Ernest Ewert, B.S.
Manley Fording Fellows, B.S.
Clarence Elbert Flack, B.S.
Carl Herman Gellenthein, B.S.
Emilia Josephine Giryotas, A.B., B.S.
Stanley Joseph Giryotas, B.S.
Max Russell Greenlee, A.B.
Isadore Halpern, B.S.
Matthew J. Hantover
Harry Clay Harris, B.S.
Peter Nicholas Hatzis, B.S.
Carl Adel Hedberg, B.S.
Gifford Harold Henry, B.S.
Charles William Herman, B.S.
Samuel Julian Hoffman, B.S.
Frank Edward Hruby, B.S.
Roger Wolcott Hubbard, B.S.
Max Iglowitz, B.S.
Lawrence Francis Isenhart, B.S.
Thomas Jackson, B.S.
Walter Franklyn James
Clarence Augustinus Johnson, B.S.
Johannes John Jurgens
Jennie Kantor, B.S.
Jerry Joseph Kearns
Raymond William Kelso
Donald William Killinger, B.S.
Elmer George Koehler, B.S.
Leonard Avii Kratz, B.S.
Robert Krohn, B.S.
Philip Montgomery Law
Nathan Kent Lazar, B.S.
Seymour Rowland Lee
Rollin Harold Lester
Maurice Levin
Samuel Arthur Levin
Jacob Levy
Ben Lieberman, B.S.
Albert Bellack Lieberman, B.S.
Jacob Aaron Lifshin, B.S.
Paul Howard McDaniel
Elbridge Albert McIntyre, B.S.
Daniel Richard McLean
Rueben Mark, B.S.
Alex George Marshall, B.S.
Hymen N. Massel, B.S.
Joseph Jacob Mizock
Timothy Francis Mullen, Jr., B.S.

Samuel Bennet Nelson, B.S.
Wilfred Jonathan Nowlin, B.S.
Ben King Parks, A.B., B.S.
Samuel Peluse, B.S.
Leo George Pertzoff, B.S.
Michael Zalman Pintzow, B.S.
Max Louis Polse, A.B., B.S.
Elza Carl Porter, B.S.
Edward Falk Poser, B.S.
Loira Cromwell Pumphrey
Sidney Wallace Raymond, B.S.
Russell Lindsay Robertson
Leon Edward Robinson, A.B.
Maurice Alexander Roe, B.S.
Eugene John Rooney
Robert Rosenberg, B.S.
Abraham Irving Rosenblum, B.S.
Anthony Frank Ruffolo, B.S.
Bruce Ivan Ryder, B.S.
James David Sarven, A.B., B.S.
Joseph Michael Schiavone
Elizabeth Helene Schirmer, B.S.
Max Joseph Schwartz
Rueben Seid
Samuel Gero Seinfeld
Bryant Richard Selden, B.S.
Frank Robert Sender
Richard C. Shurtz, B.S.
Lucille Hammel Snow
Charles Gilbert Stoll, B.S.
Samuel John Sullivan, B.S.
Lars Waldorf Switzer, B.S.
Eugene Emerson Taylor, B.S.
John Francis Tenczar, B.S.
Gilbert Bernard Tepper, B.S.
Clara Deborah Tigay, A. B.
Grover Tracy, A.B.
Edward Claude Turner, A.B.
Charles Van Epps Waggoner, A.B., B.S.
Max Edward Wiese

REGISTER OF STUDENTS

SESSION OF 1926-27

FIFTH YEAR CLASS—HOSPITAL APPOINTMENTS

Alexian Brothers Hospital	Clifford E. Steckbauer
Chicago, Illinois	
Ancker Hospital	Seymour Rowland Lee
St. Paul, Minn.	Bernhard Johannes Cronwell
	Manley Fording Fellows
Ancon Hospital	Russell Lindsay Robertson
Isthmus of Panama	
Augustana Hospital	Lars Waldorf Switzer
Chicago, Illinois	Carl Adel Hedberg
	Melton Burdett Burns
	Norman Charles Bullock
	Chester L. Crean
Baroness Erlanger Hospital	Stanley Joseph Giryotas
Chattanooga, Tenn.	Frank Robert Sender
Blodgett Memorial Hospital	Clarence Elbert Flack
Grand Rapids, Mich.	
Charity Hospital	Loira Cromwell Pumphrey
New Orleans, La.	
Cook County Hospital	Grover Tracy
Chicago, Illinois	*Samuel Gero Seinfeld
	*Lucille Hammel Snow
	*Joseph M. Schiavone
	Sidney Wallace Raymond
	Bruce Ivan Ryder
	*Eugene John Rooney
	Samuel Peluse
	Elza Carl Porter
	*Timothy Francis Mullen
	*Alex George Marshall
	Nathan Kent Lazar
	Jerry Joseph Kearns
	Matthew J. Hantover
	Frank Edward Hruby
	*Samuel Julian Hoffman
	*Earl Ernst Ewert
	Percy J. DeLano
	*Isadore Halperin
	John Theodore Belting
	*Theodore B. Bernstein
	*Milton George Bohrod
	*Leo Eisler Amtman
	*Sol Marvin Abelson

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*January 1, 1927.

County Hospital San Francisco, Calif.	Max Louis Polse
Decatur and Macon County Hospital Decatur, Ill.	Huston J. Banton
Evangelical Deaconess Hospital Milwaukee, Wis.	Vincent J. Sutch
Evanston General Hospital Evanston, Illinois	Paul Henry Esslinger Edward Falk Poser
French Hospital San Francisco, Calif.	Maurice Alexander Roe
Grant Hospital Chicago, Illinois	Samuel Bennet Nelson Paul Howard McDaniel Ellridge Albert McIntyre Rollin Harold Lester Elmer George Koehler Samuel Arthur Levin
Grant Hospital Columbus, Ohio	John Willard Bull
Hammond Hospital Hammond, Ind.	Joseph Jacob Mizock
Henry Ford Hospital Detroit, Mich.	Max Russell Greenlee
Illinois Central Hospital Chicago, Illinois	Charles Gilbert Stoll William Harold Bennett
Indianapolis City Hospital Indianapolis, Ind.	Robert Rosenberg Wilfred Jonathan Nowlin
Iowa Methodist Hospital Des Moines, Ia.	Max Edward Wiese Leon Edward Robinson
Kansas City General Hospital Kansas City, Mo.	Ethelbert Fitz-Randolph Cox
Los Angeles General Hospital Los Angeles, Calif.	Peter Nicholas Hatzis H. Manning Elliott Michael Zalman Pintzow Elizabeth Helene Schirmer Gilbert Bernard Tepper
Lutheran Memorial Hospital Chicago, Illinois	Albert Carlos Barber Johanas John Jurgens Eugene Emerson Taylor
Lucas County Hospital Toledo, Ohio	Alex George Marshall
Methodist Hospital Indianapolis, Ind.	Cecil Frederick Barber Carlyle Bernard Bohner
Michael Reese Hospital Chicago, Illinois	Abraham Irving Rosenblum Max Iglowitz Hymen M. Massel Joseph Thomas Bolotin Reuben Seid Samuel John Sullivan Clara Deborah Tigay

Milwaukee Hospital Milwaukee, Wis.	Ben Lieberman Anthony Frank Ruffolo
Mt. Sinai Hospital Chicago, Illinois	Maurice Levin
Oak Park Hospital Oak Park, Illinois	Joe P. Crabtree Daniel Richard McLean
Privident Hospital Chicago, Illinois	Hubert Hugh Beuguesse
Ravenswood Hospital Chicago, Illinois	Max J. Schwartz Reuben Mark
Research and Educational Hospital Chicago, Illinois	Bryant Richard Selden Jennie Kantor Harry Clay Harris Nelson Hole Chesnut
Santa Rosa Infirmary San Antonio, Texas	Reinhold E. Johnson
Seaside Hospital Long Beach, Calif.	Ben K. Parks Raymond William Kelso
South Shore Hospital Chicago, Illinois	Hyman William Golub Charles W. Herman
St. Anthony's Hospital Chicago, Illinois	Donald William Killinger
St. Elizabeth's Hospital Chicago, Illinois	Samuel Gero Seinfeld
St. Francis Hospital Evanston, Illinois	Raymond Calvin Brown Isadore Halperin
St. Francis Hospital La Crosse, Wis.	James Bernard Berardi
St. Joseph's Hospital Ashland, Wis.	Jacob Levy
St. Joseph's Hospital Chicago, Illinois	Timothy Francis Mullen Leonard Avii Kratz Earl Ewert Eugene John Rooney
St. Joseph's Hospital Marshfield, Wis.	Nicholas Demetrius Demetropulos
St. Louis City Hospital St. Louis, Mo.	John Edward Eubanks, Jr.
St. Luke's Hospital Chicago, Illinois	Harry Arlo Amesbury Burton Richard Bancroft Harold James Collins
St. Paul Hospital Dallas, Texas	Jacob Aaron Lifshin
St. Luke's Hospital Denver, Colo.	C. H. Gellenthien
St. Margaret's Hospital Kansas City, Mo.	Edward Claude Turner
St. Mary's Hospital Madison, Wis.	Mack Clelland Canan

St. Mary's of Nazareth Hospital Chicago, Illinois	John Francis Tenczar Joseph Casimer Ciesla Leon George Pertzoff
Swedish Covenant Hospital Chicago, Illinois	Sol Marvin Abelson
University Hospital Chicago, Illinois	Philip Montgomery Law
University Hospital Iowa City Hospital	Charles Van Epps Waggoner
University of Louisville Hospital Louisville, Ky.	Clinton A. Benzie
U. S. Naval Hospitals New York and San Diego	Gifford H. Henry Walter Franklyn James Robert Krohn Clarence A. Johnson
West Side Hospital Chicago, Illinois	Richard C. Shurtz Lawrence Francis Isenhart Roger Wolcott Hubbard James David Sarven
West Suburban Hospital Oak Park, Illinois	Ralph Michael DiCosola
Wisconsin General Hospital Madison, Wis.	Emilia Josephine Giryotas Harold Bernard Cassidy

FOURTH YEAR CLASS

Abelson, Sol Marvin, B.S.	*Illinois*
Amesbury, Harry Arlo, B.S.	*Illinois*
Amtman, Leo Eisler, B.S.	*Illinois*
Bancroft, Burton Richard, B.S.	*Illinois*
Banton, Huston J., B.S.	*Illinois*
Barber, Albert Carlos, B.S.	*Illinois*
Barber, Cecil Frederick, B.S.	*New York*
Beguesse, Hubert Hugh, B.S.	*Trinidad, B. W. I.*
Belting, John Theodore, B.S.	*Illinois*
Bennett, William Harold	*Wisconsin*
Benzie, Clinton A., B.S.	*Michigan*
Bernstein, Theodore B., B.S.	*Illinois*
Berardi, James Bernard	*Illinois*
Bohner, Caryle Bernard, B.S.	*Illinois*
Bohrod, Milton George, B.S.	*Illinois*
Bridegroom, Hugh Ginther, B.S.	*Indiana*
Brown, Raymond Calvin	*Illinois*
Bull, John Willard, B.S.	*Illinois*
Bullock, Norman Charles, B.S.	*Illinois*
Burns, Melton Burdett, B.S.	*Utah*
Bolotin, Joseph Thomas	*Illinois*
Canan, Mack Clelland, B.S.	*Illinois*
Carr, Claire Eugene, B.S.	*Illinois*
Cassidy, Harold Bernard, B.S.	*Illinois*

Chesnut, Nelson Hole, B.S.	*Illinois*
Ciesla, Joseph Casimer, B.S.	*Illinois*
Cox, Ethelbert FitzRandolph, B.S.	*Illinois*
Collins, Harold James, B.S.	*Illinois*
Crabtree, Joe P., B.S.	*Illinois*
Crean, Chester Leo	*Illinois*
Cronwell, Bernhard Johannes, A.B., B.S.	*Illinois*
DeLano, Percy Joseph, B.S.	*Illinois*
Demetropulos, Nicholas Demetrios	*Greece*
DiCosola, Ralph Micheal	*Illinois*
Elliott, H. Manning, A.B., B.S.	*California*
Esslinger, Paul Henry, A.B., B.S.	*Illinois*
Eubanks, John Edward, B.S.	*Illinois*
Ewert, Earl Ernest, B.S.	*Illinois*
Fellows, Manley Fording, B.S.	*Illinois*
Flack, Clarence Elbert, B.S.	*Illinois*
Gellenthien, Carl Herman, B.S.	*Illinois*
Giryotas, Emilia Josephine, A.B., B.S.	*Illinois*
Giryotas, Stanley Joseph, B.S.	*Illinois*
Golub, Hymen William, B.S.	*Illinois*
Greenlee, Max Russell, A.B.	*Iowa*
Halperin, Isadore, B.S.	*Illinois*
Hantover, Matthew James	*Illinois*
Harris, Harry Clay, B.S.	*Alabama*
Hatzis, Peter Nicholas, B.S.	*Illinois*
Hedberg, Carl Adel, B.S.	*Michigan*
Henry, Gifford Harold, B.S.	*Florida*
Herman, Charles William, B.S.	*Illinois*
Hoffman, Samuel Julian	*Illinois*
Hruby, Frank Edward, B.S.	*Illinois*
Hubbard, Roger Wolcott, B.S.	*Illinois*
Iglowitz, Max, B.S.	*Illinois*
Isenhart, Lawrence Francis, B.S.	*Illinois*
Jackson, Thomas ,B.S.	*Illinois*
James, Walter Franklin	*Illinois*
Johnson, Clarence Augustinus, B.S.	*North Dakota*
Jurgens, Johannes John	*Illinois*
Kantor, Jennie, B.S.	*Wisconsin*
Kearns, Jerry Joseph	*Illinois*
Kelso, Raymond William	*Illinois*
Killinger, Donald William, B.S.	*Illinois*
Koehler, Elmer George, B.S.	*Illinois*
Kratz, Leonard Avii, B.S.	*South Dakota*
Kroeger, Clarence Roland, B.S.	*Arizona*
Krohn, Robert, B.S.	*Wisconsin*
Law, Philip Montgomery	*Wisconsin*
Lazar, Nathan Kent, B.S.	*Illinois*
Lee, Seymour Rowland	*Minnesota*
Lester, Rollin Harold	*Illinois*

Levin, Maurice	*Illinois*
Levin, Samuel Arthur	*Illinois*
Levy, Jacob	*Illinois*
Lieberman, Ben, B.S.	*Wisconsin*
Liebermann, Albert Bellack, B.S.	*Wisconsin*
Lifshin, Jacob Aaron, B.S.	*Illinois*
McDaniel, Paul Howard	*Illinois*
McIntyre, Elbridge Albert	*Illinois*
McLean, Daniel Richard	*Illinois*
Mark, Reuben, B.S.	*Illinois*
Marshall, Alex George, B.S.	*Illinois*
Massel, Hymen M., B.S.	*Illinois*
Mizock, Joseph Jacob	*Illinois*
Mullen, Timothy Francis, Jr., B.S.	*Illinois*
Nelson, Samuel Bennet, B.S.	*Illinois*
Nowlin, Wilfred Jonathan, B.S.	*Illinois*
Parks, Ben King, A.B., B.S.	*Kansas*
Peluse, Samuel, B.S.	*Illinois*
Pertzoff, Leon George, B.S.	*Russia*
Pintzow, Micheal Zalman, B.S.	*Illinois*
Polse, Max Louis, A.B., B.S.	*California*
Porter, Elza Carl, B.S.	*Ohio*
Poser, Edward Falk, B.S.	*Wisconsin*
Pumphrey, Loira Cromwell	*Illinois*
Raymond, Sidney Wallace, B.S.	*Illinois*
Robertson, Russell Lindsay	*North Carolina*
Robinson, Leon Edward, A.B.	*Illinois*
Roe, Maurice Alexander, B.S.	*Illinois*
Rooney, Eugene John	*Illinois*
Rosenberg, Robert, B.S.	*Illinois*
Rosenblum, Abraham Irving, B.S.	*Illinois*
Ruffolo, Anthony Frank, B.S.	*Wisconsin*
Ryder, Bruce Ivan, B.S.	*Illinois*
Sarven, James David, A.B., B.S.	*Florida*
Schiavone, Joseph Michael	*Illinois*
Schirmer, Elizabeth Helen, B.S.	*Illinois*
Schultz, Louis William, D.D.S., B.S.	*Illinois*
Schwartz, Max Joseph	*Illinois*
Seid, Reuben	*Illinois*
Seinfeld, Samuel Gero	*Illinois*
Selden, Bryant Richard, B.S.	*Illinois*
Sender, Frank Robert	*Illinois*
Shurtz, Richard C., B.S.	*Illinois*
Snow, Lucille Hammel	*Illinois*
Stoll, Charles Gilbert, B.S.	*Illinois*
Sullivan, Samuel John, B.S.	*Illinois*
Switzer, Lars Waldorf, B.S.	*Michigan*
Taylor, Eugene Emerson, B.S.	*Illinois*
Tenczar, John Francis, B.S.	*Illinois*

Tepper, Gilbert Bernard, B.S.	*Illinois*
Tigay, Clara Deborah, A.B.	*Illinois*
Tracy, Grover, A.B.	*Illinois*
Turner, Edward Claude, A.B.	*Illinois*
Waggoner, Charles Van Epps, A.B., B.S.	*Iowa*
Wiese, Max Edward	*California*

THIRD YEAR CLASS

Abraham, Samuel Victor	*Illinois*
Alexander, John Richardson	*Illinois*
Bagley, Frank Albert, B.S.	*Missouri*
Baker, Alonzo Newton	*Illinois*
Barrett, Russell Alvord	*Illinois*
Bartels, Elmer, C., B.S.	*Ohio*
Beabout, Jesse Franklin	*Illinois*
Bell, Joseph Sloan	*Illinois*
Belous, Leon Philip	*Illinois*
Bird, Myron Evan	*Utah*
Blickhan, Norbert Alois, B.S.	*Illinois*
Boikansky, William, B.S.	*Illinois*
Bown, Albert Joseph, B.S.	*Illinois*
Brown, Cecil David, B.S.	*Illinois*
Brown, Florence Amelia, B.S.	*Illinois*
Cain, Con Rice, B.S.	*Illinois*
Cahan, Meyer H.	*Illinois*
Callaway, Raymond Robinson, B.S.	*Florida*
Caro, Marcus R., B.S.	*Illinois*
Carswell, James, Jr.	*Illinois*
Clayberg, Harold D., A.B., M.S., Ph.D.	*Illinois*
Cohan, Arthur Rest	*Illinois*
Cohen, Abraham Emil, B.S.	*Illinois*
Cooper, William Henry	*Illinois*
Currey, Joe Tom, B.S.	*Tennessee*
Dewhirst, Ernest Maxwell, B.S.	*Illinois*
Dunne, Numa Pompilius, B.S.	*Arizona*
Ellis, Harry David	*Illinois*
Fabricant, Noah Daniel, B.S.	*Illinois*
Falletti, Anthony Joseph	*Illinois*
Fallon, Walter Raymond ,Ph.G., B.S.	*Illinois*
Ferguson, Fred Grant, B.S.	*Illinois*
Finesilver, Ilia	*Illinois*
Finola, George Constant, B.S.	*South Dakota*
Fishman, Louis Zollo, B.S.	*Illinois*
Fishel, John Virgil	*Illinois*
Fitzgerald, Charles Emerson, B.S.,	*Kansas*
Foucek, Bohumil Charles, B.S.	*Illinois*
Franklin, Dorothy Miriam, A.B., B.S.	*Arizona*
Gaberman, Peter, B.S.	*Illinois*
Gipson, Amos Carvel, B.S.	*Alabama*
Gist, Elizabeth Colver, A.B.	*West Virginia*

Glasgow, Glen Earl, B.S.	*Illinois*
Goldberg, Abraham Hyman, B.S.	*Illinois*
Goldberg, Samuel Silas, B.S.	*Illinois*
Gorfinkel, Leon Harold	*Illinois*
Grabarski, Edward A., B.S.	*Illinois*
Haley, Paul Edward	*Illinois*
Hanson, Eugene W., B.S.	*Minnesota*
Healy, Cornelius Edward	*Illinois*
Herron, Earl, B.S.	*Illinois*
Holt, Janette Louise	*Illinois*
Hotz, Carl J. H.	*Illinois*
Hutchens, Lucius Lester	*Illinois*
Houston, Hubert Spangler, Ph.G., B.S.	*Illinois*
Hubbard, Milton Edward, A.B.	*Utah*
Jackson, Albon Louis	*Georgia*
Jacobson, Herman Alfred, B.S.	*Illinois*
Jacobson, Jacob Robert, B.S.	*Illinois*
Jodar, Emery Orville, B.S.	*Illinois*
Jordan, Donald Voorhees	*Minnesota*
Kionka, Paul Frederick, B.S.	*Illinois*
Kishpaugh, Harold William, B.S.	*Illinois*
Kistner, Arthur Wesley, B.S.	*Indiana*
Kraut, Harry, B.S.	*Illinois*
Kris, Joseph Harold, B.S.	*New York*
Lauten, William Frederick	*Illinois*
Levy, Mayer Harold	*Illinois*
Logan, Francis William	*Illinois*
McDaniel, Lee Roy	*Illinois*
McGee, John Paul, B.S.	*Pennsylvania*
McMillan, Foster Lamont, B.S.	*Illinois*
Marks, Jacob Louis, B.S.	*Illinois*
Mason, John Cyrus, B.S.	*Illinois*
Milles, George, Ph.G., B.S.	*Illinois*
Nash, Herbert Thomas	*Illinois*
Okada, Haruto, B.S.	*Hawaii*
Oliverio, James Vincent, B.S.	*Illinois*
Parmacek, Louis, B.S.	*Illinois*
Peterson, Ralph Otis, B.S.	*Illinois*
Portman, Raymond Joseph, B.S.	*Wisconsin*
Reuterskiold, Knute Axel	*Sweden*
Richards, Raymond Randolph, B.S.	*Wisconsin*
Roan, Charles Frederick	*Illinois*
Robbins, Eugene III, A.B.	*Alabama*
Rosenblum, Albert Frank	*Illinois*
Rosenthal, Sol Roy, B.S.	*Illinois*
Ross, Norman Albert	*Iowa*
Sarnoff, Herbert Spencer, B.S.	*Illinois*
Schiff, Morris Joseph, B.S.	*Illinois*
Schorr, Arthur Melville, B.S.	*Illinois*

Schroeder, Sophie Willene, B.S.	*Illinois*
Sideman, Sidney, B.S.	*Illinois*
Shapiro, Benjamin, B.S.	*New York*
Slutzkin, Sergius Felix	*Illinois*
Sodaro, Nicholas Ernest	*Illinois*
Sokol, Louis Irwin, B.S.	*Illinois*
Stein, Clarence Cornelius, B.S.	*Illinois*
Stollar, Clyde Peter	*West Virginia*
Tarry, George William	*Illinois*
Topping, Malachi Combs	*Illinois*
Wadsworth, Harold Vivan	*Illinois*
Waldman, Leonard Francis, B.S.	*Illinois*
Wanger, Halvard, B.S.	*Illinois*
Wegrzyn, Louis Stanley, B.S.	*New Jersey*
Western, Fred Burnham, B.S.	*Illinois*
Williams, Wilburn Jewell	*Missouri*
Woolf, Joseph Henry	*Alabama*
Zimmerman, Felix Herman, B.S.	*Wisconsin*

SECOND YEAR CLASS

Aaronson, Abe Louis	*Illinois*
Adams, Wright Rowe	*Illinois*
Anderson, Kenning Meredith	*Illinois*
Aronson, Jacob Morris	*Illinois*
Baldridge, William O.	*Indiana*
Barone, Anthony Martin	*Illinois*
Bass, Jewell Lee	*Illinois*
Bayles, Raymond Giblon	*Kansas*
Bensema, Clarence E.	*Illinois*
Berliant, Mary Genevieve	*Illinois*
Bilek, George James	*Illinois*
Blackard, William James, Jr.	*Illinois*
Boyd, John Richard	*Illinois*
Brandenberger, Arthur Russell	*Illinois*
Brandon, Lorimer Miller	*Illinois*
Braunstein, Benjamin Davis	*Illinois*
Brolnitsky, Olga Gowseevna	*Illinois*
Bruner, Allen Maxwell	*Illinois*
Brooks, Clyde M.	*Illinois*
Burstein, Hyman Jack	*Illinois*
Carelli, Paul Vincent, Jr.	*Illinois*
Carmondy, James Patrick	*Illinois*
Chapman, Morey	*Illinois*
Clark, Anson Luman, M.E.	*Illinois*
Cook, Kenneth George	*Illinois*
Craig, Carlos C.	*Illinois*
Cywinski, Casimir Arthur	*Illinois*
Danziger, Fred	*Illinois*
DeTrana, George Edward	*Illinois*

Dragoo, Samuel Vaughn, B.S.	*Indiana*
Edahl, Edwin Waldamar	*Illinois*
Eggers, Henry William	*Indiana*
Ekstrand, Rowland Magnus	*Illinois*
Finne, Burton Albert	*Illinois*
Fletcher, Gordon VanBuren	*Illinois*
Franco, Joseph	*Illinois*
Gernon, John Talbot	*Illinois*
Gittlestein, Fred	*Illinois*
Glassman, Frank	*Illinois*
Greenfield, Michael	*Illinois*
Greenwald, Jack	*Illinois*
Greenwood, Lilburn Silvas	*Illinois*
Gurevitz, Julius	*Illinois*
Handtmann, John Jacob	*Illinois*
Haskins, Frederick E.	*Illinois*
Hays, Tom George	*Illinois*
Heissig, Ida	*Illinois*
Hill, Harold Herrin	*Illinois*
Hillebrand, John George	*Illinois*
Holmes, Wendel Francis	*Illinois*
Holten, Edmund H.	*Illinois*
Horn, Isadore	*Illinois*
Joss, Edward Francis	*Illinois*
Jacobs, Frank D., Jr.	*Illinois*
Just, Joseph Hynek	*Illinois*
Keren, Meyer Joseph	*Illinois*
Kesert, Benjamin	*Illinois*
Kirchner, Herbert John	*Illinois*
Kirshbaum, Jack D.	*Illinois*
Kopple, Abraham Louis	*Iowa*
Knudson, William Howard	*Illinois*
Koestner, Paul A.	*Illinois*
Kupperman, Fred	*Illinois*
Lavieri, Frank Joseph	*Illinois*
Lazo, Vincento	*Philippine Islands*
Levin, Herman	*Illinois*
LeVine, Howard Jack	*Illinois*
Levitt, Louis Leo	*Illinois*
Libman, Minna, A.B.	*Illinois*
Lidovsky, Betty	*Illinois*
Lifchultz, Leo	*Illinois*
MacLeod, Sidney James	*Illinois*
Mallin, Isadore	*Illinois*
Martin, Cecil Lawrence	*Illinois*
Meyer, Hershel	*Illinois*
Michael, Oscar James	*Illinois*
Mortimer, Harold Montgomery	*Illinois*
McCrackin, Robert Harrawalt	*Illinois*

McPherson, Mahlon Daniel, B.A.,	*California*
Nowak, John Michael	*Illinois*
Olin, Lester Cleo	*Illinois*
Olivo, Anton	*Illinois*
Orr, Eli Holmes	*Illinois*
Padnos, Emanuel	*Illinois*
Pattengale, Nell Treva	*Illinois*
Patterson, Roy Lee	*Illinois*
Pearlman, Ben	*Illinois*
Pence, Dwight	*Illinois*
Petri, Kenneth Norman	*Illinois*
Pritchett, Everett Howard	*Illinois*
Pugh, Cloyd	*Illinois*
Ray, Glenn Raymond	*Illinois*
Reich, Walter Jacob	*Illinois*
Reichman, Martin Abraham	*Illinois*
Reisch, Jacob Edgar	*Illinois*
Richburg, Louis Allan	*Illinois*
Ritchie, Cyril Brown	*Idaho*
Ritter, Vern William	*Illinois*
Schowengerdt, William Henry	*Illinois*
Scuderi, Carlo Salvadore	*Illinois*
Shapiro, Isadore M.	*Illinois*
Simmons, Daniel A.	*Illinois*
Smith, Carey M.	*Illinois*
Solliday, Monroe Franklin	*Illinois*
Spelman, Arch E.	*Illinois*
Steinkopff, Edward Karl	*Illinois*
Stevens, Marion George	*Illinois*
Stilwell, Leland Manford Thomas	*Illinois*
Straube, Alfred G.	*Wisconsin*
Swenson, Henning Melville	*Illinois*
Summers, Charles Raymond	*Colorado*
Taylor, James Sherwood	*Illinois*
Twitchell, Standlee Irving	*Illinois*
Vacin, Milo Edward	*Illinois*
Webb, Arthur Sterling	*Missouri*
Weidner, Morris Robert, Jr.	*Illinois*
Weinstein, Sol Morton	*Illinois*
Weir, Edgar Wilkin	*Illinois*
Wetzel, James Walker	*Illinois*
Whittaker, Lawrence Forrest	*Illinois*
Willis, Lyle Joseph	*Illinois*
Wilson, Ona Verne	*Illinois*
Wing, Herbert John	*Illinois*
Woodford, Lester Melvin	*California*
Zmuidzinas, Stanley Antony	*Russia*

FIRST YEAR CLASS

Abrams, Irving	*Illinois*
Alcorn, Kent Archibald	*Illinois*
Alcorn, Marshall Wells	*Illinois*
Alfini, Louis Ralph	*Illinois*
Altman, James Sloan	*Illinois*
Balding, Lawrence Grant	*Illinois*
Belowsky, John Goldfreed	*Illinois*
Boren, Ralph Clinton	*Illinois*
Boswell, Clay Stephen	*Illinois*
Brooks, Roosevelt	*Illinois*
Brown, Alexander	*Illinois*
Blanck, Earl Elmer	*Illinois*
Browning, Levi Martin	*Illinois*
Burns, Robert Joseph	*Illinois*
Chapman, George Henry	*Illinois*
Clark, Carl Edward	*Illinois*
Cline, Frances Almeda	*Illinois*
Darling, Francis Marion	*Illinois*
Deck, Wilbur Staunton	*Illinois*
Dishmaker, Orville Anton	*Illinois*
Donegan, Robert McKenzie	*Illinois*
Drew, Frank Earl	*Illinois*
Eisenberg, Benjamin	*Illinois*
Feinstein, Morris	*Illinois*
Ferrias, Irving Benwith	*Illinois*
Garrett, Roy Preston	*Illinois*
Giltner, Otis Beryl	*Illinois*
Gogol, Louis	*Illinois*
Goldman, David	*Illinois*
Gordon, Neal Eugene	*Illinois*
Gray, John Wilson	*Illinois*
Guarino, Salvatore	*Illinois*
Haffron, Daniel	*Illinois*
Hatzis, James George	*Illinois*
Herstein, David	*Illinois*
Hill, Elizabeth Webb	*Illinois*
Jonas, Clarence Daniel	*Illinois*
Kenton, Harold Benjamin	*Illinois*
Klein, Otto Gustav	*Illinois*
Klomhaus, Alfred Paul	*Illinois*
Koff, Salmon Abraham	*Illinois*
Kompare, Louis Francis	*Illinois*
Kunstadter, Ralph Hess	*Illinois*
Kutas, Walter John	*Illinois*
Langlais, William	*Illinois*
Laube, Gustav Richard	*Illinois*

Learner, Aaron	*Illinois*
Levine, Samuel	*Illinois*
Litwak, Isadore Dave	*Illinois*
Lobraico, Adelina F.	*Illinois*
Lucius, Naomi Therese	*Illinois*
Mansowitz, David	*Illinois*
Mathis, Alvin Leroy	*Illinois*
Mathis, John Archibald	*Illinois*
Mershon, Donald Glenn	*Illinois*
Meyer, George Irving	*Illinois*
Miller, Alfred Frederick	*Illinois*
Miller, Leo Frederick	*Illinois*
Miller, Maurice	*Illinois*
Moore, Laurence Moses	*Illinois*
Murphy, Virgil Leroy	*Illinois*
Murphy, Waldo Evans	*Illinois*
McArdle, Mary Margaret	*Illinois*
McConnell, Herbert Porter	*Illinois*
McGinnis, George Cletis	*Illinois*
McLaughlin, Alan Fleming	*Illinois*
McNulty, Edward Joseph	*Illinois*
Nagel, Frank Emil, Jr.	*Illinois*
Nash, Justin Russell	*Illinois*
Neal, Lovell Arthur	*Illinois*
Nelson, Roland Clifford	*Illinois*
Nemphos, Peter Charles	*Illinois*
Noyes, Harold Judd	*Illinois*
O'Donnell, Frederick Dennis	*Illinois*
O'Neill, Clement Paul	*Illinois*
Oliver, Irwin Lovette	*Minnesota*
Ogle, Dan Clark	*Illinois*
Ostrofsky, Peter	*Illinois*
Ostrom, Meredith Louis	*Illinois*
Paxton, Lester Robert	*Illinois*
Petrik, Albert Charles	*Illinois*
Ramenofsky, Abraham Isadore	*Illinois*
Rasmussen, Hugh Alexis	*Illinois*
Reagan, Robert Earl	*Texas*
Rife, Dwight William	*Illinois*
Ritholz, Sophie	*Illinois*
Roberson, Brooks Leek	*Illinois*
Roberts, Gilbert Jay	*Illinois*
Roth, Harold Alan	*Illinois*
Sabin, Allen Lucien	*Illinois*
Schable, Mary Theresa	*Illinois*
Sherrard, Charles Francis	*Illinois*
Schiller, Maurice Aaron	*Illinois*
Schorr, Hyman Joseph	*Illinois*
Schreiber, Sidney	*Illinois*

Seid, Benjamin	*Illinois*
Shafton, Arthur Louis	*Illinois*
Shellow, Harold	*Illinois*
Shuger, Harry	*Illinois*
Silverman, Harold Edward	*Illinois*
Simon, David Charles	*Illinois*
Simpson, Edgar Hollis	*Illinois*
Smith, Charles Otis	*Illinois*
Smith, Kenneth John	*Illinois*
Smith, Robert Harlie	*Illinois*
Sokolowski, Felix Walter	*Illinois*
Solomon, Sam	*Illinois*
Staley, Percy Alfred	*Missouri*
Starcevich, Paul Joseph	*Illinois*
Stearns, Alexander Louis	*Russia*
Stone, Fred	*Illinois*
Stuart, Carroll W.	*Illinois*
Stuttle, Fred Louis	*Illinois*
Svoboda, Emily Ann	*Illinois*
Sweet, Samuel	*Illinois*
Tait, Arthur Alfred	*Illinois*
Tives, Thomas Theodore	*Illinois*
Tobin, Walter William	*Illinois*
Toman, Andrew John	*Illinois*
Twitchell, Benjamin Edward	*Illinois*
Vinnedge, Kenneth Houston	*Illinois*
Walczek, Raymond Lawrence	*Illinois*
Washburne, Annette Clarke	*Illinois*
Weiss, George Seymour	*Illinois*
Weissman, Bertha Rachel	*Illinois*
Wien, Norman Arnold	*Illinois*
Wilson, Clifford C.	*Kansas*
Wolf, Henry Hyman	*Illinois*
Wollgast, George Frederick	*Illinois*
Young, Louis Clide	*Illinois*
Zajdzinski, Sigmund Vincent	*Illinois*

UNIVERSITY OF ILLINOIS
THE GRADUATE SCHOOL

Graduate Courses in Medicine

Departments of

Anatomy; Dermatology; Laryngology, Rhinology and
Otology; Medicine and Pediatrics; Obstetrics and
Gynecology; Ophthalmology; Pathology and
Bacteriology; Pharmacology; Physiology
and Physiological Chemistry;
Surgery.

Announcement for
Summer Quarter of 1926
June 14-September 4 and
Session of 1926-27
1926

THE GRADUATE SCHOOL

THE EXECUTIVE FACULTY[1]

David Kinley, Ph.D., LL.D., President of the University

Arthur Hill Daniels, Ph.D., *Professor of Philosophy and Dean of Graduate School*
Roger Adams, Ph.D., *Professor of Organic Chemistry*
Ernest Bernbaum, Ph.D., *Professor of English*
William Leonidas Burlison, Ph.D., *Professor of Crop Production*
Edward Herbert Cameron, Ph.D., *Professor of Educational Psychology*
Herbert Fisher Moore, M.M.E., D.Sc., *Research Professor of Engineering Materials*
Rexford Newcomb, A.M., M.Arch., A.I.A., *Professor of the History of Architecture*
William Abbott Oldfather, Ph.D., *Professor of Classics*
William Spence Robertson, Ph.D., *Professor of History*
Henry Perly Rusk, M.S., *Professor of Beef Cattle Husbandry*
Fred Wilbur Tanner, Ph.D., *Associate Professor of Bacteriology*
Edgar Jerome Townsend, Ph.D., LL.D., *Professor of Mathematics*
Henry Baldwin Ward, Ph.D., D.Sc., *Professor of Zoology*
Arthur Cutts Willard, B.S., *Professor of Heating and Ventilation*
George Philip Tuttle, Jr., B.S., *Registrar and Secretary of the Executive Faculty*

STANDING COMMITTEE ON GRADUATE WORK IN MEDICINE AND DENTISTRY

Henry Baldwin Ward, Ph.D., *Chairman*
David John Davis, Ph.D., M.D.
Frederick Bogue Noyes, B.S., D.D.S., D.Sc.
Hugh Alister McGuigan, Ph.D., M.D.
William Henry Welker, Ph.D., *Secretary*

THE TEACHING FACULTY[2]

1925-26

David John Davis, Ph.D., M.D., *Professor and Head of the Department of Pathology and Director of Graduate Work in Medicine*
Hugh Alister McGuigan, Ph.D., M.D., *Professor and Head of the Department of Pharmacology, Materia Medica, and Therapeutics*
William Henry Welker, Ph.D., *Professor fo Physiological Chemistry*
Victor Emanuel Emmel, Ph.D., *Professor of Anatomy*
William F. Petersen, M.D., *Associate Professor of Pathology*
Otto Frederick Kampmeier, Ph.D., M.D., *Associate Professor in Anatomy*
Richard Hermann Jaffe, M.D., *Associate in Pathology and Bacteriology*
Olaf Bergeim, Ph.D., *Assistant Professor of Physiological Chemistry*

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[1] The administration of the Graduate School is conducted by the Executive Faculty, appointed from year to year by the President on nomination of various departments and recommendations of the Dean of the Graduate School.

[2] The Teaching Faculty includes all those who at any time give courses of strictly graduate character. Such courses are accepted for major credit and are numbered one hundred and upwards. For the present such courses are offered by the above faculty.

Charles Spencer Williamson, M.D., *Professor of Medicine and Head of Department*
Norval Pierce, M.D., *Professor of Laryngology, Rhinology, and Otology and Head of Department*
Julius Hayes Hess, M.D., *Professor of Pediatrics and Head of Division*
Herman Morris Adler, M.D., *Professor of Criminology and Head of Department of Social Hygiene, Criminology, and Medical Jurisprudence*
Frances Eugene Senear, M.D., *Professor of Dermatology and Head of Department*
Carl Arthur Hedblom, M.D., Ph.D., *Professor of Surgery and Head of Department*

GRADUATE WORK IN MEDICINE

ADMISSION

Admission to the Graduate School may be granted to graduates of institutions whose requirements for the bachelor's degree are substantially equivalent to those of the University of Illinois, and to applicants from other institutions approved by the Executive Faculty, as hereinafter provided. *Admission to the Graduate School does not, however, imply admission to candidacy for an advanced degree, and gives no right or claim to be so admitted. Such candidacy is determined by the faculty after the student has demonstrated by his work here, for from two to five months, that he has ability to do major work of graduate character. A mere accumulation of "credits" or "grades" is not sufficient.*

Admission to graduate courses may be granted only to those who have had the requisite undergraduate work in those courses or departments. But a student of mature age who satisfies the Director and the department concerned of his ability to pursue graduate work in a given line may be enrolled in particular graduate courses, without reference to a degree, and permitted to carry on such study or investigation under the direction of a department of the University as the department shall recommend and the Dean approve.

Application blanks for admission may be secured from the Secretary of the Committee on Graduate Work in Medicine. Every applicant must submit with his application for admission an official transcript of his college record.

REGISTRATION AND PROGRAM OF STUDY

The following regulations concerning registration and program of studies are laid out primarily for first-year students. Second-year and third-year graduate students fill out their programs irrespective of the unit value of courses, according to their needs, under the advice of their instructors.

Registration.—Each graduate student must register when he first connects himself with the University, and afterwards at the beginning of each semester.

The registration of a new student may be accepted at any time provided the student is prepared to take up courses actually under way. Credit towards the fulfillment of the residence requirement dates, however, from the time of registration and not from the beginning of the semester or year in which the student enters. Registration will not be permitted later in the year than April 1, except in the case of students who expect to continue through the summer session, or are returning to complete a year's work which has been broken into by illness or other unavoidable interruption.

The first registration, or that on entrance, is permitted only after the student's application for admission to the Graduate School, setting forth his educational attainments, has been duly approved.

Seniors and Graduate Study.—If at the beginning of the second semester of his senior year a student is within five hours of a bachelor's degree, he may be permitted to register for courses which may count for residence for a master's degree; provided his program does not require more than twelve formal class, lecture, or laboratory exercises a week, and is approved by the Dean at the time of registration.

In no case may courses be counted for graduate credit on a program which requires more than twelve formal class, lecture, or laboratory exercises a week.

Failures.—A graduate student who fails in any course in his major subject cannot secure his degree in the same year in which the failure occurred. No condition examinations are given graduate students.

Students on the Staff.—Assistants and others on the University staff who undertake to do graduate work are permitted to take an amount of work determined by the terms of their employment. Such a student, if required by his engagements to teach more than five classes a week or to have laboratory work or supervision exceeding ten hours a week, may not receive his master's degree at the end of one year, nor his doctor's degree at the end of three.

Residence and Work Done Elsewhere.—Continuous residence and study are required of all members of the Graduate School, unless they are granted leave of absence by the Director, upon recommendation of the professor in charge of their work, for the purpose of carrying on elsewhere studies or investigation in the line of work for their degrees.

Members of the staff who have done graduate work in approved institutions elsewhere may secure credit not to exceed four units towards the master's degree by passing examinations in that work. They may complete the work for the degree by securing at least four units more while registered in the Graduate School for not less than one academic year.

Withdrawal.—If after registration a graduate student wishes to withdraw from any course or to add other work, he must first secure the necessary papers from the Director's office. If he wishes to withdraw from the University he must get clearance papers at the Director's office.

DEGREES

The Degree of Master of Science

Character of Master's Degrees.—The master's degree conferred depends upon the character of the bachelor's degree. The usual practice is that A.M. shall follow A.B., and that M.S., shall follow B.S. However, this practice may be departed from in cases where the undergraduate course of study was of a kind for which some reputable institutions in this country give A.B., while others give B.S. Such departure from the regular practice is permitted, however, only on individual petition duly approved.

Amount of Work Required.—Candidates for the degree of Master of Arts or Master of Science are required to do at least one full year's work in residence, including a thesis. By this is meant from four to five unit courses each semester, or their equivalent. A unit course is one which requires ten hours of time a week through one semester, or fifteen hours of time a week through the summer quarter of twelve weeks, irrespective of the mode of distribution of that time in class work, laboratory work, and private study. Four such courses or their equivalent constitute a full *minimum* program for one semester, and eight such courses, or their equivalent, constitute the *minimum formal* year's work accepted for a master's degree. Only first-rate students are permitted to secure a degree with this minimum program.

Unless otherwise permitted, on individual petition duly approved, every student must take each semester at least one course open to graduate students only (courses numbered 100 and upwards).

In the first year of his graduate study each student is required to attend a minimum of four formal class, lecture, or laboratory exercises a week. In no case is he permitted during his course to attend more than twelve a week, without permission.

Grades.—Students' work is graded in five classes, A, B, C, D, and E. The last indicates a failure. D indicates unsatisfactory, though passable, work.

A student who receives two units of a grade below B during his first year of graduate work may not complete the first year of residence by carrying the minimum program of eight units for the master's degree. Three units of a grade below B disqualify a student as a candidate for a degree.

A failure or absence from examination in any course may prevent the conferring of the degree; and, as already indicated, failure in any course in the major field precludes the conferring of the degree in the same year.

Majors and Minors.—A candidate for a master's degree may do all his work in one subject, or he may select a major and one minor, or a major and two minors. A major or minor denotes the field of knowledge of a department, or such part thereof as constitutes a separate and independent division of that field. For a master's degree a major is at least half the work, or a minimum of four units, for one year. Less than one unit may not be counted as satisfying the requirements of a minor without the approval of the department concerned.

Foreign Language.—The ability to use one or more of the modern languages ordinarily studied in the undergraduate curriculum is expected of all candidates for the master's degree, and in some lines of study is required. On this matter students should consult the heads of the departments in which their major subjects lie.

Master's Thesis.—Each candidate for a master's degree is required to present a thesis on some subject approved by the professor in charge of his major work and the Executive Faculty of the Graduate School. The thesis subject must be sent to the Dean of the Graduate School for approval by the Executive Faculty before the completion of the first third of the work for the degree. The requirement of a thesis may be waived, however, upon the recommendation of the head of the department in which the student is doing his major work and the approval of the Director, provided application to waive the thesis is made at the beginning of the year. A student excused from writing a thesis must replace it with additional courses of instruction.

No one will be excused from writing a thesis unless one-half of his program of studies consists of courses numbered 100 and upwards.

The thesis required from a candidate for a master's degree ordinarily will demand one-fourth of the student's time and may not exceed one-third of it. The thesis must be typewritten, on "thesis-paper,"[1] and the title page must be printed. The thesis in its final form, together with a certificate of approval by the proper officer, must be sent by the professor in charge to the Dean's office at least two weeks before the date on which the degree is to be conferred. No article prepared for another use, or previously published, will be accepted as a thesis.

Under proper conditions a student may be permitted to complete the last fourth of his work, if devoted to his thesis, under leave of absence. To get such permission the student must have secured proper credit for at least six units; must petition for the privilege; must submit to the Dean an outline of the proposed investigation, approved by the head of his major department; and must submit satisfactory evidence that adequate facilities are available to him at the place where he intends to do the proposed work. Approval on all these points must be obtained one collegiate year before the thesis is due. Immediately following approval the student must register and pay an incidental fee of $20.00.

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[1] No other will be accepted by the Dean. "Instructions for the Preparation of Theses" may be obtained at the Secretary's Office, Room 309, Research Laboratory and Library Building.

The Degree of Doctor of Philosophy

Major and Minor Subjects.—A member of the Graduate School who desires to become a candidate for the degree of Doctor of Philosophy is required to pursue a major subject in the department in which his research lies. He is also required to choose one minor subject, or he may choose two. If one minor only is chosen it must be taken in a department of study other than that of the major, and credit for it may be earned by work representing not less than four units, or one-sixth of the total residence required for the doctorate. If two minors are chosen, one must be a subject closely related to the major. With the approval of the adviser it may be a division of the major field of study. If the second minor is outside the department of major study, it may be satisfied by work representing not less than two units or one-fourth of a year of residence.

Except by special permission of the Dean the preliminary examination in major and minor subjects may not be taken until the minor work has been done.

Method of Computing Residence.—Credit for a full year of graduate work means that the student has during that time devoted all his working time and energy to study of a graduate grade. After the first year of residence credit is not recorded in units, and there is no fixed correspondence between credit and course as in undergraduate work. Thus it is possible for a second-year student to devote all his time to one course and his research; and for a third-year student to devote all his time to his research work alone.

Period of Study.—The *minimum* period of study required for securing the degree of Doctor of Philosophy is three years, during which the student is required to devote all his working time to his studies. All three years must be spent in residence at some accredited educational institution, and either the first two or the last one of the three must be spent at the University of Illinois. The degree is conferred, however, not for residence during a certain period, but for scholarly attainments and power of investigation, as proved by thesis and examinations.

Work Done in Other Universities.—Credit for graduate work done in other universities is not "transferred." However, it may be accepted on examination as equivalent to resident work at the University of Illinois, provided the institution in which it was done is of high standing.

EXAMINATIONS

Preliminary.—A. In major and minors.—Toward the end of his second year of study, or by special permission, at the beginning of his third year, the candidate for the degree must submit to a preliminary examination, in order to determine whether he will be accepted as a candidate for the degree in the following year. This examination is intended to test the student's knowledge of the fields of his major and minor subjects of study only. It is partly oral, and may be wholly so.

The student will not be admitted to his preliminary examination until the faculty is satisfied that he has finished substantially the equivalent of two years' graduate work. He must do a full year's graduate work between his preliminary examination and the completion of his work for the doctorate.

B. In Languages.—The candidate will be required to demonstrate his ability to read French and German and other languages needed in his work. This test of proficiency in the use of French and German must be passed before the student is admitted to the preliminary examination in major and minor subjects.

Final Examination.—At least two weeks before the time when the degree is conferred, the candidate must submit to a final examination, given by a committee appointed by the Dean. This examination is primarily on the research work of the student, as embodied in his thesis, but is not confined to that. It extends to the whole field of study of the candidate. It will not be confined to the courses which the candidate has attended in the University of Illinois only, if he has done part of the work elsewhere; nor even to the field covered by the courses, specifically taken in this or other universities; but will be so conducted as to determine whether the candidate has a satisfactory grasp of his major subject as a whole, and a general acquaintance with the fields of knowledge represented by his course of study.

The final examination may not be divided. The examination must be taken all at one time tho it requires several sessions.

If after having passed his preliminary examination, he fails in the third year of his study to meet the expectations of the professors in charge of his work, or in any way fails to maintain the standard of scholarship and power of research expected of him, he may be refused admission to the final examination.

Other Examinations.—Before the candidate is admitted to the final examination and the defense of his thesis, he may be required to take any other examination, oral or written, that is thought proper by the various departments in which he has studied.

The above examinations are in addition to those in the courses for which the student is registered. These must be taken at times for which they are set in the examination schedule.

Thesis.—The power of independent research must be shown by the production of a thesis on some topic connected with the major subject of study. The candidate is expected to defend his thesis or dissertation before the members of the faculty, or as many of them as may wish to question him about it, in connection with his final examination.

The subject of the thesis should be chosen not later than the end of the second year of residence and must be submitted for formal approval by the faculty not later than six weeks from the beginning of this third year of residence.

A typewritten copy of the complete thesis, *on thesis paper*,[1] and in final form must be deposited in the office of the Dean for presentation to the examining committee not later than two weeks prior to the final examination, and not less than four weeks before the time when the degree is conferred. At the same time, the candidate must deposit with the Dean a manuscript of the essential part, or an abstract, or a digest of his thesis, in condition for publication at a cost not to exceed seventy-five dollars ($75). The manuscript must be sufficient to show the method followed, the evidence used and the conclusions reached in the investigation, and must bear the approval of the department and the Executive Faculty of the Graduate School.

The candidate must pay to the Comptroller before graduation the sum of seventy-five dollars ($75) out of which the University will print at least one hundred copies of this manuscript for circulation by the University, unless the thesis or an abbreviated form is published by the author or is accepted for publication by a standard journal or publisher within a year from the date of graduation. In the latter event, and after one hundred copies have been presented to the University by the writer, the cash deposit shall be returned to him.

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[1] No other will be accepted by the Dean.

The typewritten and printed forms of the thesis must comply with the regulations given in "instructions for the preparation of master's and doctors' theses," copies of which may be obtained at the Dean's office on application.

Fees and Expenses.—Except as noted below, graduate students in medicine pay fees as follows:

Matriculation fee	$10.00
Incidental fee (summer quarter)	20.00
Students not residents of Illinois pay an additional fee of	30.00
Incidental fee (semester)	25.00
Students not residents of Illinois pay each semester an incidental fee of	37.50
Laboratory deposit (each quarter or semester)	15.00
Diploma fee	10.00

GRADUATE SCHOLARSHIPS AND FELLOWSHIPS

A number of scholarships and fellowships have been established by the Trustees of the University. To first-year graduate students of ability and promise there are open a number of scholarships with a stipend of $300 each and freedom from tuition, incidental and laboratory fees. To second-year and third-year graduate students, that is, those who have had one or two years of graduate study, there are open fellowships with stipends of $400 and $500, with freedom from the above-mentioned fees. The larger stipends are given only to students who are expected to take their degrees within the year. Each holder of a fellowship or scholarship must pay the matriculation fee of ten dollars, unless he holds a first degree from the University of Illinois, and also the diploma fee of ten dollars on receiving his diploma.

Candidates for these scholarships and fellowships must be graduates of the University of Illinois or of colleges or universities having equivalent requirements for bachelors' degrees.

Application must be made on blanks to be obtained from the Dean of the Graduate School. These application forms should be sent to the Dean of the Graduate School as early as possible in February of the academic year preceding that for which the fellowship is desired. No application will be considered if received later than March first, until after April fifteenth, the date when appointees from the first list of applicants must accept or refuse their appointments.

Persons appointed are notified on April first and must send the Secretary of the Board of Trustees notice of their acceptance or refusal by April fifteenth and must agree that, if accepted, the appointment will not be resigned to take a similar one in any other institution during the year for which it is awarded.

Nominations to fellowships are made on the grounds of worthiness of character, scholastic attainments, and promise of success in the principal line of study or research to which the candidate proposes to devote himself. Scholarships and fellowships are not given to candidates who are over thirty years of age at the time when the appointment is to be made.

An appointment as honorary fellow, without stipend, may be made as specified for paid fellowships in the case of one who has shown distinguished merit in his work.

All graduate students who have not matriculated as undergraduates at the University of Illinois pay the matriculation fee on entrance.

All graduate students pay the diploma fee on being recommended for their degrees.

No tuition or incidental fee is charged for graduate courses to members of the corps of instruction, or of the staffs of the scientific bureaus of experiment stations who are appointed by the Board of Trustees, nor for undergraduate courses on their study-lists if approved by the heads of the departments and by the Dean of the School as necessary or desirable for the proper completion of the work for the degree.

Each student working in laboratories is required to make a deposit of fifteen dollars to pay for chemicals and apparatus used and for any breakage or damage. No charge or deposits for laboratory materials are required from members of the corps of instruction or the scientific staffs mentioned above.

LIBRARY

Adequate library facilities are essential to the prosecution of graduate work and research. In the library of the College of Medicine may be found files of journals, monographs, separates, and standard texts supplying nearly every need.

A list of files of journals appears on pages 105–112.

DEPARTMENTS OF INSTRUCTION

ANATOMY

101. Histogenesis and Experimental Morphology.—Cytological and Morphological changes in the organism which are directly correlated with normal processes, such as reproduction, differentiation, nutrition, growth, variation, regulation, regeneration, activity, secretion, rest, fatigue, senility.—*One or two units.*
Professor Emmel, and Associate Professor Kampmeier

103. Individual Research and Embryology and Histogenesis.—*One or two units.*
Professor Emmel, and Associate Professor Kampmeier

DERMATOLOGY

101. Research work in Dermatology.—*One to three units.* Professor Senear

LARYNGOLOGY, RHINOLOGY AND OTOLOGY

101. Research work in Laryngology, Rhinology and Otology.—*One to three units.* Professor Pierce

MEDICINE AND PEDIATRICS

101. Research work in Medicine.—*One to three units.* Professor Williamson

101. Research work in Pediatrics.—*One to three units.* Professor Hess

OBSTETRICS AND GYNECOLOGY

101. Research work in Obstetrics and Gynecology.—*One to three units.*
Professor Falls

OPHTHALMOLOGY

101. Research work in Ophthalmology.—*One to three units.*
Professor Brown

PATHOLOGY AND BACTERIOLOGY

101. Advanced Pathogenesis.—Etiology and pathogenesis of certain diseases with especial consideration of the role that the lower animals play in the transmission of human disease. Lectures, conferences, demonstrations, assigned readings. *One or two units.* Professor Davis, Professor Petersen, and Dr. Jaffe

103. Individual Research Course.—*One to two units*
Professor Davis, Professor Petersen, and Dr. Jaffe

PHARMACOLOGY

101. Advanced Pharmacodynamics.—Laboratory work. *One or two units.*
Professor McGuigan

103. Research Work in Pharmacodyanmics.—*One or two units.*
Professor McGuigan

PHYSIOLOGY AND PHYSIOLOGICAL CHEMISTRY

101. Advanced Biological Chemistry.—Biochemical methods of research, biological colloids, enzyme action, and metabolism. *One or two units.*
Professor Welker and Assistant Professor Bergeim

103. Biochemical Research.—*One or two units.*
Professor Welker and Assistant Professor Bergeim

105. Advanced Physiology.—An introduction to original work in Experimental Physiology. Individual instruction in fundamental methods. Laboratory course. *One or two units.* ————

109. Research Work in Physiology.—*One or two units.* ————

SURGERY

101. Research Work in Surgery.—*One to three units.* Professor Hedblom

JUVENILE BEHAVIOR

101. Research Work in Juvenile Behavior.—*One to three units.*
Professor Adler

REGISTER OF STUDENTS

GRADUATE SCHOOL

1925-1926

SUMMER QUARTER 1925

Bengtson, Bengt Norman—Bacteriology. B.S., 1923. Chicago.
Berardi, James—Pharmacology. Ph.G., 1921; B.S., 1924. Chicago.
Birch, Carroll LaFleur—Anatomy. B.S., 1920 (University of Pennsylvania). Providence, R. I.
Cahanovsky, Meyer—Pharmacology. Chicago.
Canan, Mack Clelland—Pharmacology. B.S., 1924. Batchtown, Ill.
Cohen, Seymour Jerome—Pharmacology. B.S., 1917; M.S., 1917. (University of Chicago); M.D., 1919 (Rush Medical College). Chicago.
Cole, Arthur Gideon—Physiological Chemistry. B.S., 1920 (University of Chicago). Chicago.
Davidson, Genevieve Alice—Physiological Chemistry. B.S., 1920. Chicago.
Ets, Harold Norris—Pharmacology. B.S., (University of Rochester); M.S., 1923. Rochester, N. Y.
Groot, James Tobias—Physiology. B.S., 1920 (University of Chicago); B.S., 1921; M.D., 1924. Chicago.
Lash, Abraham Fae—Bacteriology. B.S., 1919 (University of Chicago); M.D., 1921 (Rush Medical College). Chicago.
Lloyd, Bess Lucile—Anatomy. B.S., 1921 (Northwestern University); M.S., 1923 (Washington University). Genoa, Ill.
Milles, George—Pathology, Ph.G., 1921; B.S., 1925. Chicago.
Popp, Mary Rozella—Anatomy. B.S., 1921 (Woman's Medical College). New Castle, Pa.
Schorr, Arthur—Pathology. B.S., 1925. Chicago.
Solomon, Morris Carl—Physiological Chemistry. B.S., 1924 (University of Chicago). Chicago.
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Degree of Master of Science

Conferred February 13, 1926

Bengt Norman Bengtson, B.S.
Abraham Fae Lash, B.S., M.D.

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Urbana, Illinois

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UNIVERSITY OF ILLINOIS CIRCULAR
Published four times a year in the months of March, June, July and August, at Chicago, Ill.

VOL. XIII AUGUST, 1927 No. 4

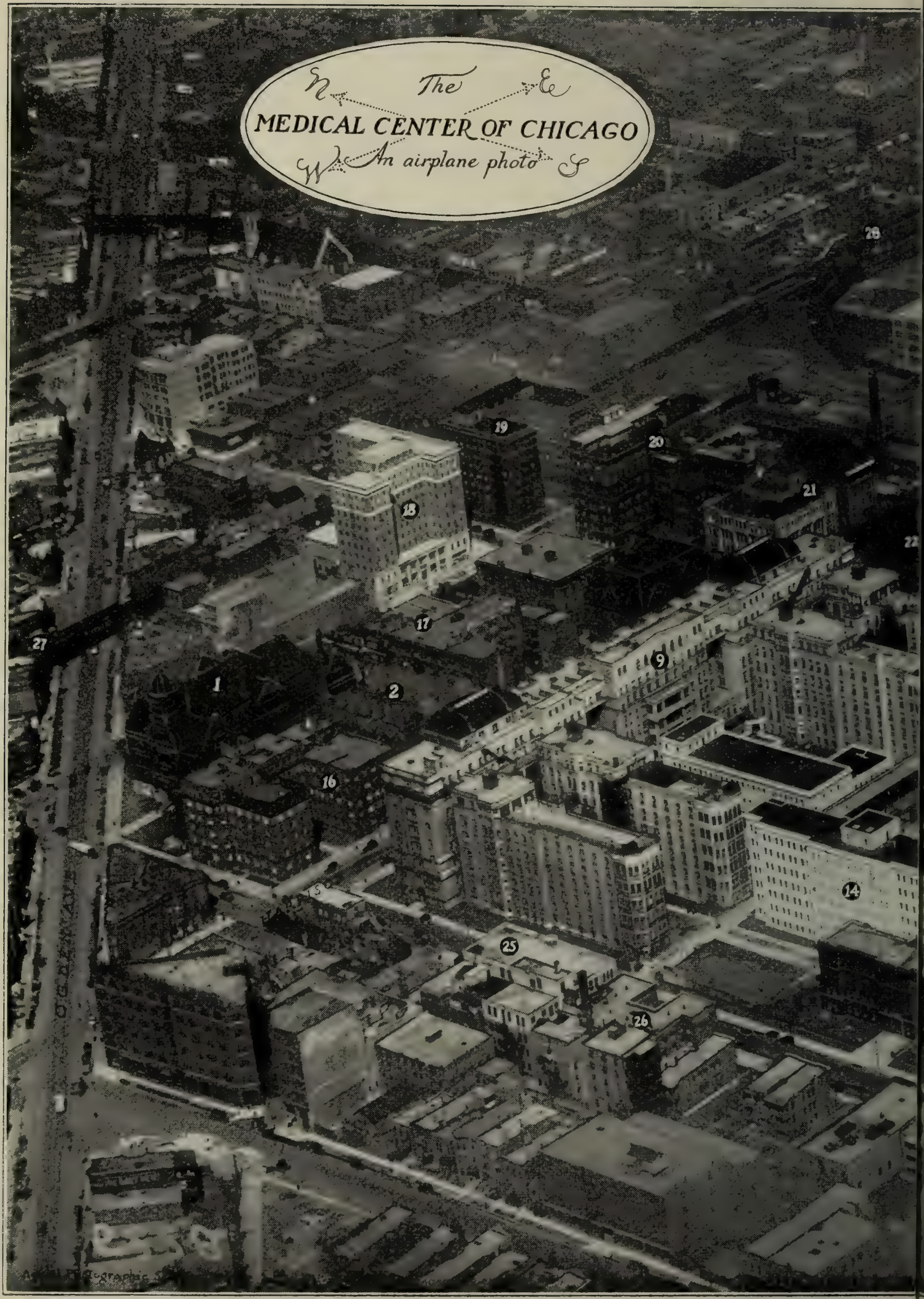
(Entered as second-class matter October 16, 1914, at the post office at Chicago, Illinois, under Act of Congress of August 24, 1912.)
Acceptance for mailing at special rate of postage provided for in Section 1103, Act of October 3, 1917, authorized July 27, 1918

UNIVERSITY OF ILLINOIS

COLLEGE OF MEDICINE

1927-1928

PUBLISHED BY THE UNIVERSITY OF ILLINOIS
508 SOUTH HONORE STREET
CHICAGO



The MEDICAL CENTER OF CHICAGO
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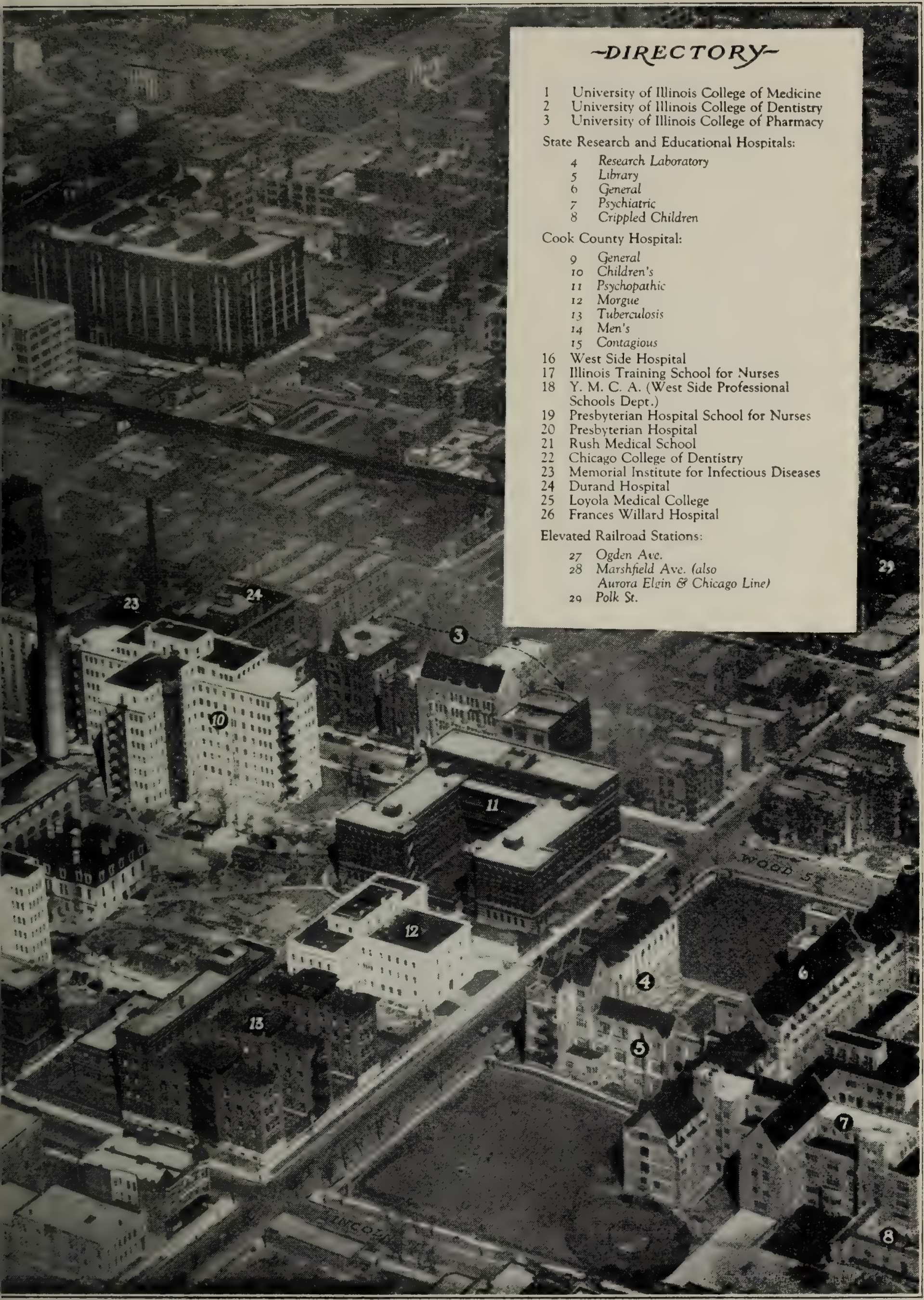

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CIRCULAR OF INFORMATION

1927-1928

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1927

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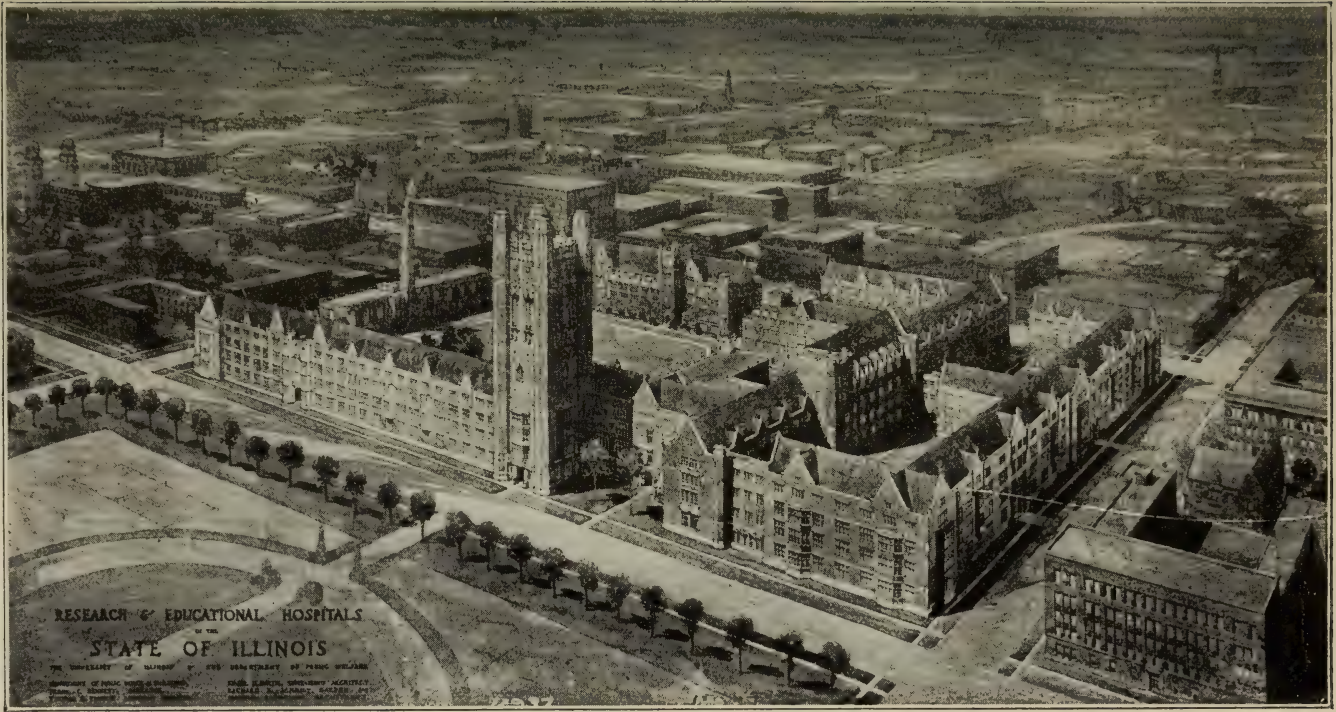
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STATE OF ILLINOIS

GROUP PLAN OF RESEARCH AND EDUCATIONAL HOSPITALS

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1927–28

FIRST SEMESTER

September 7-10, Wednesday-Saturday
Entrance Examinations. All departments of the University (High School Subjects)

September 26-October 1, Monday-Saturday. Special examinations.

October 3, Monday, 8 a. m.-5 p. m.
Registration and payment of fees

October 4, Tuesday, 8 a. m.
Instruction begun

November 23, Wednesday, 12 m.
Thanksgiving recess

November 28, Monday, 8 a. m.
Instruction resumed

December 22, Thursday, 6 p. m.
Holiday recess begun

January 3, Tuesday, 8 a. m.
Instruction resumed

January 30-February 3, Monday-Friday
Semester examinations

SECOND SEMESTER

February 6, Monday, 8 a. m.-5 p. m.
Registration and payment of fees

February 7, Tuesday, 8 a. m.
Instruction begun

April 5, Thursday, 5 p. m.
Easter recess begun

April 9, Monday, 8 a. m.
Instruction resumed

May 30, Wednesday
Memorial Day

May 21-June 1, Monday-Friday
Final examinations: Second and Fourth Years, May 21-25 inclusive; First and Third Years, May 28 to June 1, inclusive

June 8, Friday
Class Day
Alumni Meeting

June 9, Saturday, 10:30 a. m.
Commencement Exercises
Chicago Professional Schools

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BUILDINGS, EQUIPMENT, LIBRARY AND CLINICAL FACILITIES

The Old Medical College Building. This building, located in the city block bounded by Harrison, Congress, Honore, and Lincoln Streets, Chicago, consists of a five-story brick and stone structure two hundred feet long by one hundred ten feet wide, and a three-story brick annex. It contains four lecture rooms, an assembly hall seating seven hundred, a small recitation room, and the laboratories of chemistry, microscopic anatomy, physiology, pathology, bacteriology, pharmacology and therapeutics operative surgery, experimental medicine and clinical diagnosis. The laboratories for gross anatomy are located in the Dental Building immediately adjoining the Medical Building.

The laboratories are equipped for routine instruction. The general equipment includes: refrigerating plant with cooling units in proximity to the several laboratories, each unit consisting of a number of individual compartments with separate control, providing for a range of temperature down to —5° C.; a Crowell blower, supplying compressed and rarefied air to the laboratories of physiology, chemistry, pathology and pharmacology.

The Research and Educational Hospital. In association with the Department of Public Welfare of the State of Illinois, a group of Hospitals and Laboratories has recently been opened and the University has thereby been placed in a position to offer its faculty adequate facilities for teaching and investigation.

The buildings occupy a campus approximately eight acres in extent, located immediately adjacent to the Cook County Hospital. The units now in operation include the following:—Outpatient Dispensary, General Hospital, Research Laboratory and Library, Pediatric Ward, and the Orthopedic and Psychiatric Divisions.

The Hospital has been designed with great care not only to afford every comfort for the patient, but to facilitate the use of the clinical material for teaching and investigation. At the present time some 200 beds are occupied and the total of 450, contemplated for the Main building, will be available as soon as an adequate provision can be made to house the nurses and employees.

The *first* floor of the Hospital proper contains the Pediatric, the Obstetrical and the Roentgenology Departments. The University has made every provision to develop both the diagnostic and the therapeutic sides of Roentgenology, and in addition has provided equipment for the other branches of Physiotherapy. Undergraduate, as well as graduate, instruction will be offered in this Department beginning with the present year.

MAIN BUILDING AS VIEWED FROM THE SOUTHEAST (RESEARCH AND EDUCATIONAL HOSPITALS)

The *second* hospital floor, in addition to wards, contains the clinical laboratories, with divisions for bacteriology, serology, pathology, biochemistry and metabolism.

The *third* floor contains eight suites of operating rooms and the necessary service rooms. The surgery service is most complete, with special operating rooms for head and genito-urinary work. Both wings provide beds now used for general purposes, later to be used largely for surgical cases.

The *fourth* and *fifth* floors contain living rooms for internes and residents, and the quarters for the managing officer of the institution.

The Outpatient Dispensary. This occupies the main floor of the Hospital Building. It possesses large waiting rooms, adequate suites for all divisions of clinical work, a large amphitheatre, drug dispensary and preparation rooms (used in conjunction with the School of Pharmacy), electrocardiographic and hydrotherapeutic units being located in the basement of the building. In addition, the administrative and service offices are located on this floor.

The Research and Library Building. Joining the Hospital by corridors leading from the basement and the third floor the University has erected a laboratory building for the science group of the medical school.

The basement houses the photographic and plastic divisions of the illustration studios. The Department of Pharmacology occupies the first floor, Department of Bacteriology and Pathology the second floor, and the third is used by the Department of Physiology and Physiological Chemistry. The Chemical Laboratory has special rooms for weighing, titration, and for fume work, as well as large general and individual laboratories. The Department of Anatomy occupies the major part of the fourth floor. The main section of the Illustration Studios is also situated on this floor. The entire fifth floor is given over to the Animal Hospital, Animal Surgery and kennels for dogs and smaller animals. This floor is used jointly by workers from the various clinics and laboratories.

The library, with a beautiful reading room and large convenient stack rooms, occupies an entire wing of this building, as well as space in the basement. It contains 34,141 bound volumes and a number of reprints, including the standard textbooks, works of reference, monographs, and journal files in the fields of medicine, dentistry, and pharmacy. The pharmacy collection occupies part of the main floor of the School of Pharmacy. It contains 5,012 volumes and 2,675 pamphlets and ranks as one of the largest pharmaceutical libraries in the country. In addition to these two collections many of the departments of the three schools are supplied with working libraries.

CLINICAL FACILITIES

Dispensary

The Dispensary is divided into eleven departments; medicine, surgery, obstetrics, pediatrics, orthopedics, laryngology, dermatology, ophthalmology, gynecology, neurology and genito-urinary surgery. A total of 86,638 treatments were given in 1926-27; 22,382 new patients were registered during the same period.

Opportunities are afforded the student to examine the cases personally under the guidance of instructors. As far as possible, the student is required to make laboratory examinations pertaining to his own cases. Such examinations as the Wassermann reaction are made by the instructors in the laboratory, but the student has an opportunity to follow these and to learn the technique involved.

CLINICS

In addition to those in the hospital and dispensary more than 600 clinics in various hospitals are open to students. The great majority of diseases seen in the temperate zone are demonstrated, and most of the operations of surgery are performed in these clinics.

Fourth-year students are required to examine and diagnose many cases and under certain conditions may assist in operations.

Cook County Hospital is located within half a block of the college. This institution is the largest charity hospital in America. During the past year it has cared for 103,491 patients. In this hospital is conducted much of the clinical instruction of the college.

Medical appointments in this institution are made each year by the Civil Service Board. The internes, 66 in number, are selected each spring by competitive examination. Only graduates of medical colleges of Cook County are eligible for these examinations. The internes serve eighteen months.

The County Morgue is located in the hospital grounds, and daily post-mortems are held by the pathologists of the hospital.

The hospital tickets cost $5.00 each. They are for sale at the office of the Warden. They admit the holder to all clinics and autopsies and to all public operations and lectures.

University Hospital, at Congress and Lincoln streets, opposite the College, contains 118 beds. The directors of the hospital are members of the faculty of the College. Bedside instruction is given, under certain conditions, to small groups of students. No students, excepting those of the College, are admitted to clinical instruction in the hospital.

Clinical instruction to students in small groups, and bedside instruction to those serving as internes, may be given in the following hospitals:

Augustana Hospital, Lincoln and Cleveland avenues, contains 450 beds. Students receive bedside instruction during their service as externes and attend clinics in small groups. The service covers the entire field of surgery and medicine with the exception of contagious diseases.

Michael Reese Hospital, 29th and Ellis Avenue, is composed of three separate buildings, the Hospital proper for adults, with 364 beds, the Meyer House with 62 beds, the Sarah Morris Hospital for children, with 131 beds, and the Nelson Morris Institute for Medical Research.

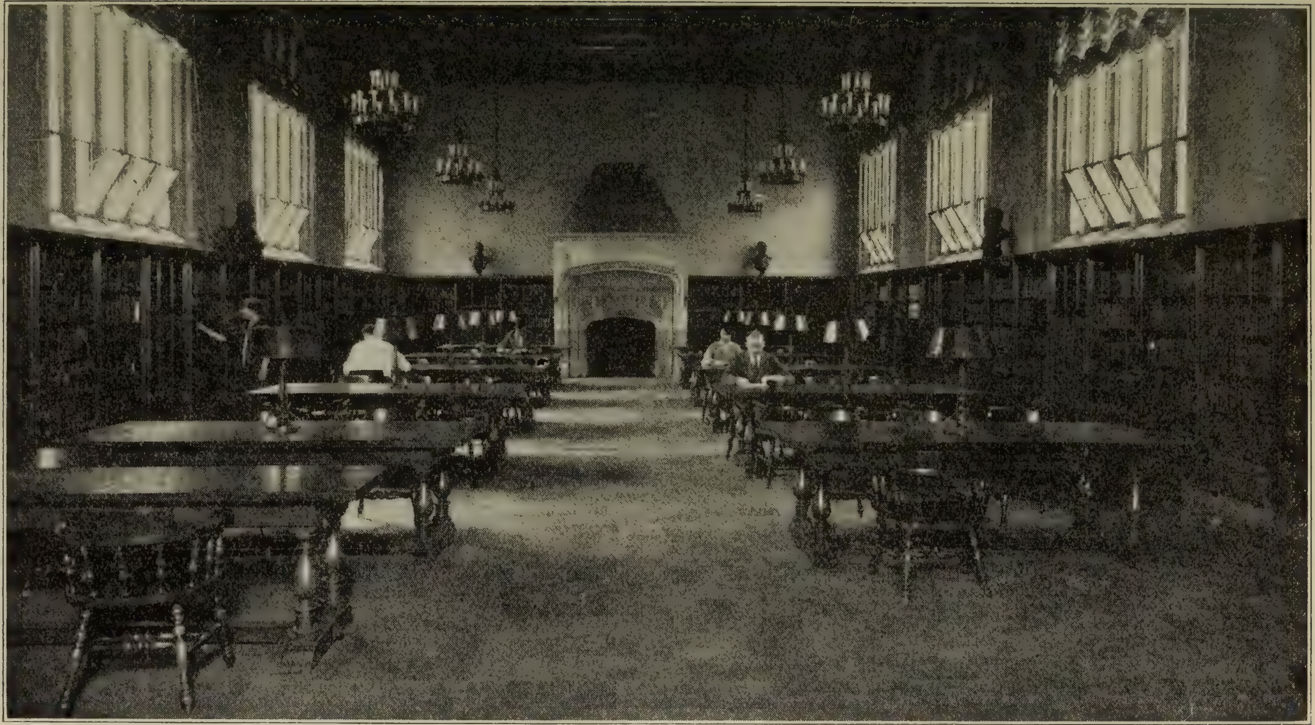
St. Luke's Hospital, 1437 Michigan avenue, has 650 beds, of which 480 may be used for clinical purposes.

Illinois Eye and Ear Infirmary, Peoria and Adams streets, is devoted to the diseases of the eye and ear, including those of the nose and throat. It has accommodations for nearly 165 inpatients. The ambulatory service is the largest in the West of any similar institution. The Infirmary has far outgrown the present building. The number of treatments annually is over 75,000. The material of the Infirmary, representing the greatest variety of major and minor affections of the eye, ear, nose, and throat, is accessible for study to the students of the college.

St. Mary of Nazareth Hospital, 1120 N. Leavitt street, has 220 beds.

St. Joseph's Hospital, 2100 Burling street, capacity, 200 beds.

West Side Hospital, 1850 West Harrison street, Chicago, has a capacity of 164 beds, including 6 infant beds.



MAIN READING ROOM OF THE QUINE LIBRARY (RESEARCH AND LIBRARY BUILDING)

Grant Hospital of Chicago, 531-559 Grant place, has a capacity of 350 beds, including 60 infant cribs.

St. Elizabeth's Hospital, 1443 N. Claremont avenue, has 200 beds, including 35 infant and 18 children's beds.

Chicago Policlinic Hospital, 219-221 W. Chicago avenue, Chicago, has a capacity of 75 beds, including 6 infant beds.

St. Anthony de Padua Hospital, 19th St. and Marshall Blvd., has 210 beds.

Mt. Sinai Hospital, 1519 S. California avenue, has 200 beds.

In addition to the above, there are more than sixty public and private hospitals in Chicago, each of which appoints from two to four internes annually.

GENERAL INFORMATION

ENTRANCE REQUIREMENTS FOR 1927-1928

Applications for admission must be made to the Secretary of the College of Medicine in Chicago. No application will be considered unless accompanied by the credentials necessary to determine the student's eligibility for admission (with reference to the admission of non-Illinois students see page 32.)

For admission to the College of Medicine, candidates must present:

1. Four years of accredited high school work or the equivalent, comprising not less than 15 units in acceptable subjects prescribed as follows:

English	3 units[1]
Algebra	1 unit
Plane geometry	1 unit
Latin, Greek, German, or French (both units in the same language	2 units
History and civics	1 unit
Electives	7 units
Total	15 units

2. Two years' work in a recognized college or university, comprising not less than 60 semester hours, including prescribed subjects as follows:

Chemistry (including organic chemistry, 4 semester hours)	12 semester hours[2]
Physics (at least 2 hours of laboratory work)	8 semester hours
Biology (at least 4 hours of laboratory work, see note 1)	8 semester hours
English	6 semester hours
German, French (see note 2)	6 semester hours
Electives outside of the chemical, physical and biological sciences (see note 3)	6 semester hours
Free electives (see note 3), exclusive of military, hygiene and physical education	14 semester hours
Total	60 semester hours

Note 1: Biology—Four of these 8 semester hours must consist of laboratory work. This requirement may be satisfied by a course of 8 semester hours in either general biology or zoology, or by courses of 4 semester hours each in zoology and botany, but not by botany alone.

Note 2: German, French—The student is strongly urged to secure a reading knowledge of one of these languages. This will ordinarily require at least two years' work in the high school followed by at least 6 hours' work in the same language in college, or two full years' work (in a class reciting at least 3 periods per week) in college if the language was not begun in the high school, or the equivalent.

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[1] By a *unit* is meant a year's work in a single subject, it being understood that the school year shall not be less than 36 weeks in length, that classes shall recite 5 times a week, that the recitation period shall be not less than 40 minutes long, that in science subjects there shall be double periods twice a week and that double time shall be given in subjects like drawing, manual training, and bookkeeping, in which little or no outside study is required. Since high-school students ordinarily take four subjects at a time throughout the four years of the high-school course, 15 units represent approximately four years of high-school work.

[2] By a *semester hour* is meant the work of a class meeting one hour once a week for a semester of 18 weeks. Sixty semester hours represent ordinarily two years of college work.

Note 3: Electives—As desirable electives the following subjects are suggested: psychology; college algebra and trigonometry; additional English; economics, history, sociology, political science; logic; Latin, Greek; drawing. Among the free electives advanced chemistry, zoology and botany may be offered.

Students registered in the medical curriculum—The seven-year medical curriculum offered by the University consists of two years of pre-medical work at Urbana, including the subject requirements stated above, two years of pre-clinical work in the College of Medicine in Chicago (for these four years a B.S. degree may be given), two years of clinical work in the College of Medicine at Chicago, and one year as an interne in a hospital approved by the University. The registration at Urbana of students who have completed the requirements of the first two years of the medical curriculum (the pre-medical work) and who have done in residence at the University the last two semesters of such curriculum, is continued in the College of Medicine subject to the following conditions:

1. The student who wishes thus to continue his work in the University must signify his intention to the Registrar on a form provided by him not later than March 1 of the year in which he purposes to continue his work in the Chicago department.
2. The student must comply with the general regulations for registration in the University in the medical course. This includes the payment of fees in advance.
3. No student who is on probation in the University or who has been dropped for poor scholarship will be considered for continuance in the College of Medicine.

No conditions are permitted—The full requirements as listed above must be presented at the time of admission. No conditions are permitted.

HOW THE ENTRANCE REQUIREMENTS MAY BE MET

The high-school requirement may be satisfied either by certificate or by examination.

High-School Credits by Certificate

High-school credits will be accepted by certificate from the following sources:

1. From high schools and academies in the State of Illinois which are accredited to the University of Illinois.

2. From schools accredited by the North Central Association of College and Secondary Schools.

3. From schools accredited to the state universities which are included in the membership of the North Central Association of Colleges and Secondary Schools, provided the Illinois standard time requirements are met.

4. From high schools and academies registered by the Regents of the University of the State of New York.

5. From schools approved by the New England College Entrance Certificate Board.

6. From schools accredited by the Southern Association of Colleges and Secondary Schools.

7. From the state normal schools of Illinois and other state normal schools having equal requirements for graduation.

High-School Credits by Examination

High-school credits may be made by examination:

1. In the examinations conducted by the Registrar of the University of Illinois at the University in Urbana in January, July and September of each year.

2. In the examinations conducted by the Registrar of the University of Illinois, in Chicago, five times each year, about March 15, June 15, August 25, September 15, and December 15.

3. In the examinations conducted in June of each year by the College Entrance Examination Board.

4. In the examinations conducted by the Regents of the University of the State of New York.

COLLEGE CREDITS

College credits will be accepted *by certificate* from recognized colleges which require for admission the completion of at least 14 units of high-school work in an accredited high school or the full equivalent thereof, and for graduation, in addition, four years of college work; and also from recognized junior colleges and state normal schools.

A letter of honorable dismissal from the last collegiate institution attended is required.

COURSES OFFERED

While the minimum requirements for admission prescribe two years of liberal arts and science work, it is to the advantage of the student to present more than this amount of pre-medical work.

Attention is called to the fact that the University at Urbana offers the following choice of courses:

1. A course of nine years—four in the College of Liberal Arts and Sciences at Urbana, leading to the degree of Bachelor of Arts, followed by five years in the College of Medicine in Chicago, leading to the degree of Doctor of Medicine. This course of study is recommended to young men who can afford the time for it, and who are of the average age of graduation from the public high schools.

2. An eight-year course—three years in the College of Liberal Arts and Sciences at Urbana, followed by five years in the College of Medicine in Chicago. Students taking this course are permitted, at the end of their first year in the College of Medicine, to transfer credits in the medical sciences to complete the requirements for graduation of the College of Liberal Arts and Sciences and receive the degree of Bachelor of Arts. On the completion of five years in the College of Medicine they receive the degree of Doctor of Medicine.

NON-ILLINOIS STUDENTS

All applicants for admission to the College of Medicine, if not legal residents of Illinois, must present with their applications for admission, except as students in the Graduate School, satisfactory evidence that they maintained at the school or college from which they would enter the University of Illinois, a scholastic average at least ten per cent above the passing grade of such school or college. In case of records which are not kept in numerical grades but in literal or other systems of grading, this requirement will be interpreted to mean an average of one grade above the passing grade, e.g., in a system of A, B, C, and D, with D as the passing grade, the average must be C.

Non-state students can be accepted for admission to classes, when there are waiting lists, only provided there is room after all duly qualified applicants who are residents of the state have been accommodated.

RECORD OF MEDICAL WORK

A letter of honorable dismissal and a transcript of the record are required in all cases where there has been attendance in a medical school.

ADVANCED STANDING

The University will accept scholarship and time credits for work done in medical colleges having standards equal to those of the College of Medicine, in so far as this work coincides with or is full equivalent of the courses prescribed by the University.

The pre-medical work of the applicant must meet in full the admission requirements for the class which he desires to enter. This will be determined by the evaluation of his credits on the basis of transcripts obtained directly from the schools where they were earned.

The applicant must present a letter of honorable dismissal from, and be eligible for promotion in, the college in which he pursued his medical studies. His record must be of such character as to show a scholastic average at least ten percent above the passing grade of such college. In case of records which are not kept in numerical grades but in literal or other systems of grading, this requirement will be interpreted to mean an average of one grade above the passing grade, e.g., in a system of A, B, C, and D, with D as the passing grade, the average must be C.

Irregularities due to differences in the curriculum must be satisfactorily adjusted by the student during the first year of his attendance.

REGISTRATION

Students must register in the office of the secretary immediately upon the opening of the term for the work of that term, and credit will be allowed only for the subjects in which they are registered. Students will be registered in the order in which their fees are paid. Owing to limited space the number of students in each class is restricted to one hundred and thirty.

COLLEGIATE YEAR

The collegiate year of 1927-28 consists of a session of thirty-four weeks, beginning October 3, 1927, and ending June 9, 1928. The year is divided into two semesters of seventeen weeks each. Attendance upon the full session is required in order to secure credit for a year's work, and five years' attendance including a hospital course of not less than twelve months' duration is required for graduation.

FEES AND EXPENSES[1]

		Illinois Students	*Non-Illinois Students*
First Year—	Tuition	$130.00	$165.00
	Laboratory	35.00	35.00
	Total	(165.00)	(200.00)
Second Year—	Tuition	130.00	165.00
	Laboratory	35.00	35.00
	Total	(165.00)	(200.00)
Third Year—	Tuition	160.00	195.00
	Laboratory	5.00	5.00
	Total	(165.00)	(200.00)
Fourth Year—	Tuition	165.00	200.00
	Laboratory	5.00	5.00
	Total	(170.00)	(205.00)
	Grand Total	$665.00	$805.00

Students entering the University for the first time will be charged a matriculation fee of ten dollars in addition to the above.

A late registration fee of five dollars will be charged to students who do not present themselves for the payment of fees on the dates designated in the College calendar.

ADDITIONAL FEES

Diploma, $10.00. Copy of original transcript of record, $1.00; for each carbon copy of same, fifty cents.[2]

Listeners or Visitors Fee.—The following fees are charged listeners or visitors in the courses of the College of Medicine: For each twenty-five clock hours, or fraction thereof, state students, $10.00; non-state students, $20.00.

Note.—County Hospital ticket, $5.00. Maternity Fee, Chicago Lying-In Hospital, $15.00.

All fees are payable in advance. The entire matriculation and laboratory fees are due and must be paid during the registration days of the first semester, together with one-half of the general fee. The remainder of the general fee is due and payable on the registration days of the second semester.

Exceptions to this rule will be made only with the approval of the proper administrative officer.

There are no fees for special courses or quizzes. No members of the instructional staff are allowed to accept special fees.

In case a student withdraws from the school within ten days after the beginning of the instruction the total amount of his fees except the matriculation fee will be refunded. After ten days and before the expiration of one month a refund of three-fourths of the tuition and laboratory fees will be made. After one month and before the expiration of two months a refund of one-half of these fees will be made. After two months and before the expiration of three months a refund of one-fourth of the fees will be made. After the expiration of three months no part of the fees will be refunded.

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[1] The term "year" in this schedule of fees refers to a period of instruction covering two terms of seventeen weeks each or the equivalent thereof.

All students taking Gross Anatomy are required to make a deposit of $10.00 for the use of a disarticulated skeleton. This deposit is returned to the student at the end of the year upon the return of the material.

The Trustees reserve the right to change the fees at any time through publication in the annual announcement.

[2] Each student is entitled to one transcript of record, without a fee, but he must pay for extras in the way of carbon copies supplied with the original transcript or for the second request for the original.

Alumni are admitted to all regular courses, without charges, except in laboratory work, in which a charge is made for material actually used.

Each student is required to provide himself with a compound microscope and a haemocytometer equipped to meet the requirements of the work of the curriculum.

Living Expenses

The expenses of living in Chicago are less than in most other large cities. From fifty to seventy-five dollars per month may be regarded as adequate for the ordinary living expenses of a student exclusive of books, clothing, railroad fare and miscellaneous needs.

The expense for books varies between $25.00 and $50.00 a year. The instructors at the beginning of each course direct their students in regard to the purchase of text-books.

SCHOLARSHIPS AND FELLOWSHIPS

REA SCHOLARSHIPS

Through the generosity of the late Professor R. L. Rea a fund has been provided for scholarships each year for worthy students. These scholarships are awarded annually by the officers of the Faculty.

For the session of 1926-1927, they were granted to the following students:

Abraham Goldberg
Ida Heissig
F. L. McMillan
W. E. Richburg

(For circulars giving more detailed information concerning scholarships, apply to the Registrar of the University, Urbana.)

The following undergraduate scholarships relieve the holder of the payment of the matriculation and tuition fees:

General Assembly Scholarships—One nomination annually by each member of the General Assembly. Under the law, nominations must be received by the President of the University not later than the first Monday in July of the year in which the scholarship is to become effective.

State Military Scholarships—For World War Veterans. Special provisions passed by the General Assembly in 1919.

THE WILLIAM BEAUMONT MEMORIAL FUND

Dr. Frank Smithies of Chicago has endowed an annual prize of $100 in memory of William Beaumont, the famous surgeon of the nineteenth century who made some very valuable contributions to the knowledge of the digestive system. The prize is awarded to the student or faculty member of the College of Medicine who submits the best original work in the study of diseases of the alimentary tract; it is administered by a committee appointed by the Dean of the College of Medicine The first award was made on June 11, 1927, to Olaf Bergeim, Ph.D.

THE COURSE IN THE COLLEGE OF MEDICINE

REQUIREMENTS FOR GRADUATION

A candidate for graduation from the College of Medicine of the University of Illinois must meet the following requirements:

1. He must have presented acceptable evidence of good moral character.
2. He must have paid all indebtedness to the college.
3. In order to receive the degree of Bachelor of Science in Medicine, a student must have secured grades of not less than C or the equivalent in subjects aggregating at least three-fourths of the collegiate work required for entrance upon the professional course, and also must have maintained the same scholastic record in the work of the first two years of his medical course.
4. In order to receive the degree of Doctor of Medicine a student must have completed the prescribed curriculum, securing grades of not less than C or the equivalent in subjects aggregating at least three-fourths of the work leading to the degree. This provision applies to students entering the first year class October 5, 1925, and thereafter. In addition the student must have satisfactorily completed a hospital course of not less than twelve months' duration in a hospital affiliated with or approved by the University of Illinois, or a year of research acceptable to the University.

Graduation With Honors

A student who complies with the requirements for graduation from the College of Medicine and who attains in all work done in courses offered in the college and presented for the degree, the average grade specified below, may be recommended by the University Senate for the honors stated: For an average grade of not less than 4.35 Graduation with Honors; for an average grade of not less than 4.75 Graduation with High Honors. The honors conferred shall be noted upon the diploma and commencement program.

The interpretation of this rule is carried out by the translation of the literal grade into figures as follows: A—5; B—4; C—3; D—2; E—1. The individual grades are multiplied by the respective number of semester hours which each represents and the total of these figures is divided by the number of semester hours in the curriculum for the B.S. degree and the first four years of the curriculum for the M.D. degree. The result is the student's average. If the average obtained is between 4.75 and 4.35, the student is entitled to Graduation with Honors. If the average obtained is 4.75 or higher, then the student is entitled to Graduation with High Honors.

GENERAL PLAN OF INSTRUCTION

During the first two years the work is, in the main, confined to the sciences fundamental to the practice of medicine, and the time of the student is largely devoted to laboratory work. During the first year this consists of work in anatomy, histology, embryology, neurology, chemistry, physiology and bacteriology. During the second year the study of physiology is continued and in addition the student takes up pathology, laboratory diagnosis, pharmacology, physical diagnosis, medicine, surgery and obstetrics.

During the third and fourth years the time is largely devoted to the various clinical branches, emphasis being given to practical instruction in dispensary and hospital clinics.

In the fourth year clinical clerkships are established to be operated at one time for one-fourth of the class and for a period of two months. This one-fourth of the class is further divided into four sections, one section being assigned to Medicine, one to Surgery, one to Obstetrics and Gynecology jointly and one to service in outside hospitals. The students on service in these clinical clerkships are excused from attendance on all lectures and clinics, but are held responsible for the subject matter of the courses from which they have been excused.

The fifth year consists of a twelve months' interne service in a hospital affiliated with or approved by the University. Research work may be substituted for the hospital work of the fifth year.

Students are prohibited from doing work that interferes in *any way* with the fulfillment of the requirements of the curriculum. Unofficial clinical work may not be substituted for the official requirements of the curriculum.

ELECTIVES

In the second semester of the second year the student is required to elect six hours per week from the courses offered by the pre-clinical departments. If the student has a satisfactory scholarship record and can satisfy the head of a respective department as to his ability to pursue a definite line of endeavor, he may be permitted to register in the graduate school for one unit of work.

In the third year the student must elect five hours per week in the first semester and five and one-half per week in the second semester.

In the fourth year five and one-half hours per week of elective work must be taken from the optional subjects and at least one hour of these electives must be selected from the optional subjects in surgery.

This elective work of the third and fourth years may be either in pre-clinical or clinical subjects. A student may in this way emphasize his training in some particular subject or subjects. The elective may be counted for graduate credit provided the student registers in a course recognized for graduate credit by the graduate faculty and can satisfy the head of the department concerned as to his ability to pursue the work he proposes to undertake.

SEMESTER EXAMINATIONS REQUIRED

Examinations must be taken at the close of each semester on the work of the semester in all subjects except those whose character, in the opinion of the faculty, renders it unnecessary or impracticable. Other examinations are held as often as the necessities of the work require.

SIGNIFICANCE OF GRADES

The system of grading is as follows: A, excellent; B, good; C, fair; D, poor, but passing; E, failure.

EXAMINATION OF ABSENTEES

Absences from examinations count as failures. Exceptions to this rule may be made and a subsequent examination allowed by the Dean in cases where the absence is occasioned by sickness or other conditions which the student is unable to control.

REMOVAL OF FAILURES

A failure in a major subject (sixty-four clock hours) can be removed only by repetition of the subject in course either in this University or some other approved institution. If the failure is removed by repeating the work at the University of Illinois, it must be made up the first time the course is presented. The student's total schedule including the repeated work may not exceed the normal schedule for the period, unless his record in all other courses averages B.

Provision for the removal of failures in minor subjects which total less than sixty-four clock hours will be made by the Head of the department concerned with the approval of the Dean.

Students who may desire to make up failures by summer work elsewhere must receive the consent of the Head of the department and the Dean in advance. This consent will not abrogate the right of department heads to demand examinations in such cases as they deem necessary.

SPECIAL EXAMINATIONS

Special examinations for the removal of failures in minor subjects are held during the week preceding the next collegiate year. These examinations may be taken only upon the recommendation of the Head of the department concerned with the approval of the Dean. Evidence of actual additional work done in a subject must be presented before permission is granted for a special examination. Only one examination in a given subject will be permitted.

Special examinations may not be taken for the purpose of raising grades in courses in which a student already has credit. A grade of D in a given subject may be raised, first, by satisfactory completion of work prescribed by the Head of the department concerned, such prescribed work being the equivalent in amount to the regular course; or by repetition of the course with the earning of a higher grade.

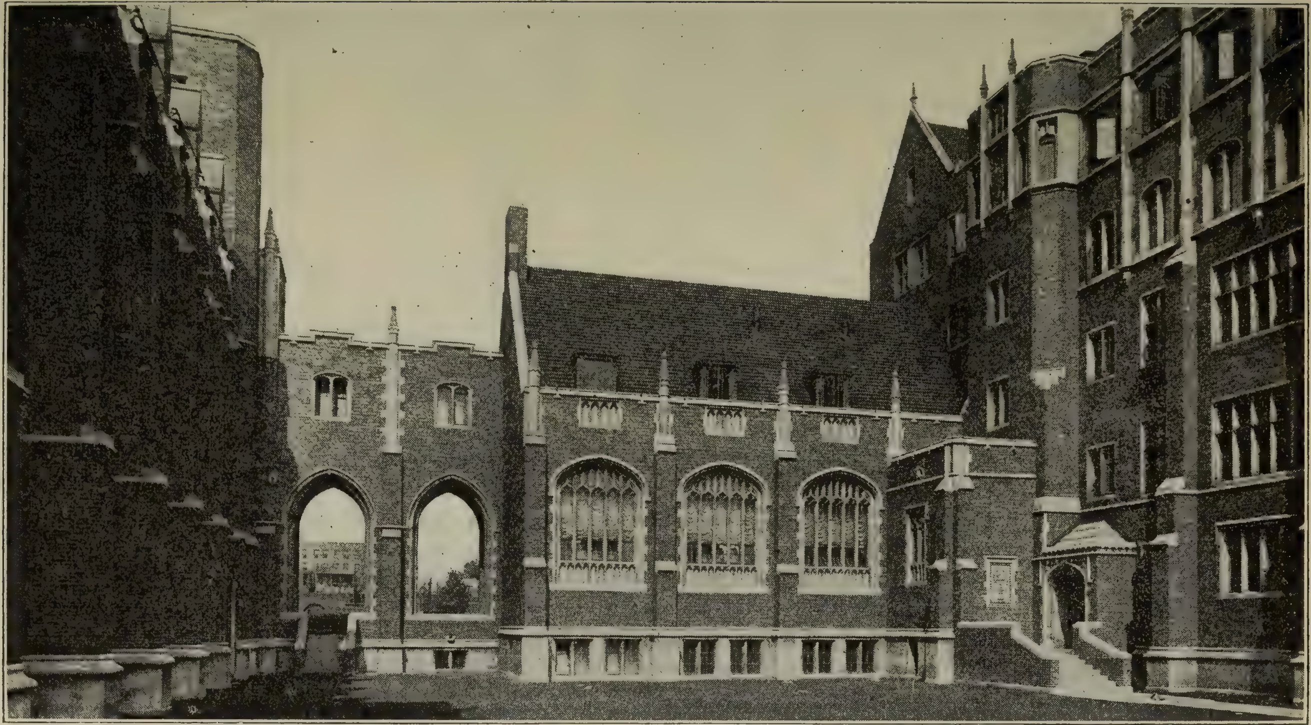
Special examinations will be allowed by arrangement with the Head of the department and the Dean when the examinations of the State Board where the student wishes to practice conflict with the dates of the final examinations of the University.

For all such examinations a permit must be obtained and a fee of $5.00 paid in advance. In the case of a subject which is continuous for more than one semester an examination covering a year's work may be allowed for a single fee ($5.00).

A student who has completed the work of a semester is considered to be still under registration for the purpose of this rule up to the end of the registration period for the next semester.

REFUSAL OF FURTHER REGISTRATION ON ACCOUNT OF POOR SCHOLARSHIP

A student, who, in any semester, receives failures in one-half the total number of hours in his course, shall be refused further registration in the College of Medicine.



RESEARCH LABORATORY, LIBRARY AND PASSAGE WAY TO HOSPITAL

REPORTS

Reports on scholarship and attendance are mailed to all students as soon as possible after the end of each term.

ADMISSION TO LICENSING EXAMINATIONS IN ENGLAND

On the recommendation of the Committee of Management of the Examining Board in England, the Royal College of Physicians and Surgeons has added the University of Illinois to the list of Universities whose medical departments are recognized by that Board. By this action, graduates of this institution are exempted from all preliminary examinations and admitted to the final licensing examination of the Examining Board.

MEMORIAL LECTURESHIP

In commemoration of members of the Alumni, Faculty and Student Body who lost their lives during the World War, the Alumni, Faculty and Students have raised a fund sufficient to establish a Memorial Lectureship. It is proposed to have at least one lecture delivered annually by a prominent educator on a subject of general medical interest. George W. Crile, M.D., delivered the address, entitled, "The Mechanism of Hyperthyroidism; Immediate and End Results of Operation," at the annual meeting of the Alumni Association, Friday evening, June 10, 1927.

ADOLPH GEHRMANN LECTURESHIP

In accordance with the will of Mrs. Albertina Gehrmann, widow of the late Adolph Gehrmann, for many years Professor of Bacteriology and Hygiene in the College of Medicine, the sum of $10,000 was given for the establishment and support of a Lectureship in the College of Medicine of the University of Illinois, in memory of Dr. Gehrmann. The second of this series of lectures was given by Dr. G. H. F. Nuttall of Cambridge University, England, on January 11, 1927, his subject being, "Insects and Disease."

A series of Medico-historical Lectures is held in the Library on alternate Wednesdays during the school year. These lectures are given by the members of the faculty of the College of Medicine and of the various related departments of Urbana and by Chicago physicians and distinguished visitors interested in medical history.

CORRESPONDENCE

Address all correspondence to

The Secretary of the College of Medicine

University of Illinois

Congress and Honore Streets

Chicago

DESCRIPTION OF COURSES IN MEDICINE[1]

ANATOMY

Professor Emmel; Associate Professors Kampmeier, Boyden; Assistant Professor Cooper; Dr. Morgan, Dr. Crile, Dr. Streicher, Mr. Webb, Dr. Joranson, Dr. White, Dr. Burrows, Dr. Kaufman, Dr. Pilka, Dr. Fisch, Mrs. Fork, Mr. Miller, Miss Fitts

GENERAL STATEMENT

The laboratories for gross anatomy comprise two dissecting rooms and a number of smaller rooms for embalming, storing and prosecting. A plastic studio is situated in the Research Laboratory Building and is available for anatomical reconstruction work and the use of models for teaching purposes. The laboratories for histology, embryology, neurology and topographical anatomy are situated on the first, third and fourth floors of the Medical Building.

The offices and research laboratories are located on the fourth floor of the Research Building. The equipment includes apparatus for embalming, sectioning, macerating, corroding and digesting; microtomes, microscopes, paraffin ovens, drawing apparatus, chemicals, glassware and Grübler stains. A small museum contains special dissections, osteological preparations and models; sets of histological, neurological and embryological slides; charts, lantern slides and other teaching accessories. The former departmental library containing the standard texts, about two thousand five hundred special monographs and all the English, French and German anatomical journals, is now situated in the main Research Library. This, together with the Crerar Library, which is readily accessible, makes it possible to consult practically the entire literature of anatomy, biology and zoology.

Required Courses—First Year

1. Histology.—Microscopic Anatomy and differentiation of tissues. Lectures and recitations; 3: laboratory; 6 hours. *I.*

Associate Professor Boyden, Dr. Morgan and assistants

2. Embryology.—General embryology, organogeny and teratogeny. Lectures and recitations; 3: laboratory; 6 hours. *I (first half).*

Associate Professor Kampmeier, Dr. Morgan and assistants

3. Neurology.—The gross and microscopic anatomy of the nervous system including sense organs. Lectures and recitations; 3: laboratory; 6 hours. *I (second half).*

Associate Professor Kampmeier, Dr. Morgan and assistants

4-5. Regional and Systemic Anatomy.—Complete dissection of the human body:

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[1] The Arabic numerals preceding the captions indicate the numbers of the courses. Unless otherwise specifically stated, the Arabic numerals following the descriptions of courses indicate the number of one-hour periods. The Roman numerals *I* and *II* indicate the number of semesters over which the course extends.

First semester (Dr. Emmel) (1) Superior and inferior extremities, (2) thorax; *Second semester* (Dr. Boyden) (3) head and neck, (4) abdomen and pelvis. Lectures and recitations; 1: laboratory; 2 four-hour periods. *II.*

Professor Emmel, Associate Professor Boyden, Assistant Professor Cooper, instructors and assistants

Required Courses—Third Year

6. Topographical Anatomy.—Topography and relations of the various regions, systems and organs of the body. 3 two-hour periods. *I.*

Associate Professor Kampmeier and assistants

Optional Courses

51. Microscopical Technic.—Preparation of objects; injecting blood vessels and lymphatics; maceration, digestion and corrosion, decalcification; fixation of tissues, embedding, sectioning, staining and mounting. 2 three-hour periods. *I.* Limited to a few qualified students. ———————

52. Medical Illustrating.—Drawing, including perspective; values and their adaption to the representation of medical subjects; normal and pathological specimens, both gross and microscopic; media adapted for representing certain conditions and structures, and for special methods of reproduction, such as line work, half tone, and lithography. 2 three-hour periods. Limited to four students.

Mr. Jones

54. Advanced Work in Regional Anatomy. The anatomy and correlated functional and clinical features of selected regions of the body. 2 three-hour periods *I.* Limited to twenty-four qualified students. Dr. Crile and assistants

Courses Preparatory to Specialization
(Special Fee)

62. **a. The Eye.**
- **b. The Ear.**
- **c. Mouth, Nose, and Throat.**
- **d. The Thorax and Abdomen.**
- **e. The Genito-Urinary System.**
- **f. Pelvic Anatomy.**
- **g. The Extremities,** especially the joints and their mechanism.
- **h. The Brain and Spinal Cord.**

Research.—Physicians who desire to do research and students who have had three years of university training are invited to begin research work in this department. A reading knowledge of French and German is essential.

65-66. Seminar.—Critical reviews of recent anatomical literature; preparation of bibliographies and of scientific papers for publication. Presentation and discussion of the results of investigations.

Courses for Graduates

101. Histogenesis and Experimental Morphology.—Cytological and morphological changes in the organism which are directly correlated with normal processes, such as reproduction, differentiation, nutrition, growth, variation, regulation, regeneration, activity, secretion, rest, fatigue and senility. *One or two units.*

Professor Emmel, Associate Professors Kampmeier, Boyden

103. Individual Research.—*One or two units.*

Professor Emmel, Associate Professors Kampmeier, Boyden

DERMATOLOGY

Professor Senear; Dr. Wien, Dr. Weber, Dr. Cornbleet, Dr. Krasnow

Required Course—Third Year

1. Practice.—Lectures, 1. *I.* Professor Senear, Dr. Wien

Required Courses—Fourth Year

2-3. Clinic.—1. *I*; 1. (*eight weeks*). *I.* Professor Senear

9-10. Clinic.—Dispensary. In sections. 3 one-hour periods. (*three weeks*). *I.*
Professor Senear, Dr. Wien, Dr. Weber, Dr. Cornbleet

Optional Courses—Fourth Year

50. Syphilis.—Diagnostic and therapeutic methods employed. 1. (*eight weeks*). *I.*
Professor Senear, Dr. Wien

51. Dermatology.—Special diagnostic and therapeutic methods. 1. (*eight weeks*). *I.*
Professor Senear, Dr. Wien

Course for Graduates

101. Research Work in Dermatology.—*One of three units.*
Professor Senear, Dr. Wien

SOCIAL HYGIENE, CRIMINOLOGY AND MEDICAL JURISPRUDENCE

Professors Adler, Yarros; Mr. Brothers, Mr. Mills, Dr. Schroeder, Dr. Mohr

Required Courses—Third Year

6. Medical Jurisprudence.—The principles of law governing individual and professional rights and obligations; responsibilities arising from the relation of physician and patients; confidential character and inviolability of such relation; medical laws of various states. Lectures, 1. *I.* Mr. Brothers

7. Social Hygiene.—Principles of social hygiene as applied to medical practice and prevention of disease; venereal and sexual problems. 1. (*eight weeks*). *I.*
Professor Yarros

Course for Graduates

101. Research Work in Juvenile Behavior.—*One to three units.*
Professor Adler

LARYNGOLOGY, RHINOLOGY AND OTOLOGY

Professor Pierce; Associate Professor Beck; Assistant Professor Holinger; Dr. W. H. Theobald, Dr. Lederer, Dr. J. J. Theobald, Dr. Livingston, Dr. Bredlau, Dr. Coombs, Dr. Schneck

GENERAL STATEMENT

The fundamentals of diseases of the nose, throat and ear based on anatomy, physiology and pathology of these organs, and the clinical manifestations of their more common diseases furnish the basis of the work in this department. Stress is laid on the relationship of these special organs to the body as a whole in health and disease. Teaching is facilitated by laboratory studies of Bezold's large models of the ear, macerated specimens of the nose, throat and ear, by lantern slides and stereoptic demonstrations, and by actual examination of individuals in the out-patient department and in the hospital.

REQUIRED COURSES—THIRD YEAR

3. Practice.—The surgical anatomy, physiology and pathology of the ear, nose and throat. 1. *I.* Professor PIERCE, Associate Professor BECK

11. Practice—Diagnosis and treatment, including surgery of the ear, nose and throat. 1. (*ten weeks*). *I.* Professor PIERCE, Associate Professor BECK

12. Clinic.—Dispensary; Research Hospital. 3 two-hour periods. (*five weeks*). *I.* Professor PIERCE, Dr. LEDERER, Dr. W. H. THEOBALD, Dr. J. THEOBALD, Dr. LIVINGSTON, Dr. BREDLAU, Dr. COOMBS, Dr. SCHNECK

OPTIONAL COURSES—THIRD YEAR

50. Anatomy and Physiology of Ear, Nose and Throat.—8 hours.
Professor PIERCE and Staff

51 (a). Studies in Development of the Otic Capsule.
(b). Development of the Pneumatic Spaces of the Nose and Ear.—8 hours.
Professor PIERCE and Staff

53. Research and Experimental work in Otolaryngology.—8 hours.
Professor PIERCE and Staff

COURSE FOR GRADUATES

101. Research Work in Laryngology, Rhinology and Otology.— *One to three units.* Professor PIERCE

MEDICINE

Professor WILLIAMSON, *Head of Department*

INTERNAL MEDICINE

Professors WILLIAMSON, PATTON; Associate Professors LEWISON, STRAUSS, CHAUVET, MOORE, KEETON; Assistant Professors FRICK, MEYER, PILOT, SINGER, WILSON; Dr. PERLSTEIN, Dr. WITTELLE, Dr. CIPRIANI, Dr. PORPST, Dr. VANDERKLOOT, Dr. SAWYER, Dr. FOLEY, Dr. FREILICH, Dr. STREICHER, Dr. RABENS, Dr. KAPLAN, Dr. BIRCH, Dr. GOLDWASSER, Dr. COHEN, Dr. MORA, Dr. KRONENBERG, Dr. LIFVENDAHL, Dr. DEUSS, Dr. EWING, Dr. FISCH, Dr. APPLE, Dr. DOEPP, Dr. FELDMAN, Dr. FISCHER, Dr. JOHNSON, Dr. BOLOTIN, Dr. BRATRUDE, Dr. DALITSCH

GENERAL STATEMENT

The work in this department begins in the second year and extends through the third and fourth years. In the second year the student begins his work in internal medicine with the study of physical diagnosis on the normal subject. This is followed by the study of pathological cases. The class is divided into small groups, so that the instruction is individual. Coincident with this course the student takes up the study of laboratory diagnosis. A course in this subject lays the foundation for the practical clinical work in the dispensary, which begins in the third year and is carried through the fourth. In addition didactic work in medicine is begun with lectures and conferences, special reference being made to the diseases of metabolism and the infectious diseases.

In the third year instruction is carried on partly by means of conferences and recitations and partly by clinics. This division of work enables the student not only to obtain systematic instruction in the fundamentals of internal medicine but also to see presented clinical cases bearing directly on this systematic instruction. At the same time he has opportunity to come into intimate contact with patients and to examine them in the dispensary under supervision. Stress is laid upon the student's personal examination and treatment of the cases.

In the fourth year instruction is carried on partly by means of conferences with group quizzes on the topics covered. This is a continuation of the work in the third year. A large part of the work, however, is clinical and is given not only in the Research Hospital but in the Cook County and Augustana Hospitals. In addition, practical work is given in the dispensary in the various medical specialties. Special emphasis is laid upon the clinical work in small groups. The bedside clinics, given to groups of not more than eight, bring the student into the closest relations with both patient and instructor.

In the fourth year the work is almost exclusively clinical in character. Clinics are held in the Research, Cook County and Augustana Hospitals, and every effort is put forth to make these of a thoroly practical nature. Especial stress is placed upon the coordination and interpretation of laboratory work. Dispensary work is also given in the specialties in the departments.

A Cardiac clinic has been established for several years and treats annually a large number of cases. It operates under Professor Strauss, in conjunction with other cardiac clinics in the City, as a member of the Association for the Prevention and Treatment of Heart Diseases.

REQUIRED COURSES—SECOND YEAR

2a-2b. Physical Diagnosis.—Practical drill on normal subjects; given to small sections of the class. 1 two-hour period. *I.*

Associate Professors LEWISON, CHAUVET

3. Practice.—Lectures and conferences with special reference to Diseases of Metabolism. 1. *I.*

Associate Professor KEETON

4. Practice.—Lectures and conferences. 2. *I.* Dr. PROPST

REQUIRED COURSES—THIRD YEAR

(Note: Of the following courses 176 hours will be assigned each student.)

27-28. Clinic.—Dispensary. Practical work on out-patients, with special stress laid upon history taking. Most of the important diseases of an ambulatory nature common to the temperate zone may be seen here. (In sections.) 3 two-hour periods (*three weeks*). *II.*

Associate Professors MOORE, KEETON; Assistant Professors SINGER, WILSON; Dr.

Perlstein, Dr. Wittelle, Dr. Foley, Dr. Streicher, Dr. Rabens, Dr. Cohen, Dr. Fisch, Dr. Doepp, Dr. Deuss, Dr. Feldman, Dr. Fischer, Dr. Johnson, Dr. Goldwasser, Dr. Bratrude, Dr. Dalitsch, Dr. Birch

5. Practice.—A general survey of the important diseases as a foundation for the clinical courses. A continuation of the similar course of the second year. 2. *II.* Dr. Sawyer, Dr. Cipriani, Dr. Vanderkloot, Dr. Propst

6. Clinic.—Research Hospital. Selected topics. (To one-half the class.) 1 two-hour period. *I.* Professor Williamson

7. Clinic.—Research Hospital. Selected topics, with special reference to Diseases of Metabolism. (To one-half the class.) 1 one-hour period. *I.* Associate Professor Keeton

13. Clinic.—Research Hospital. Selected topics. (To one-sixteenth class.) 1 two-hour period (*eight weeks*). *I.* Dr. Birch

10. Clinic.—Cook County Hospital. Selected topics. (To one-sixteenth the class.) 1 two-hour period (*eight weeks*). *I.* Assistant Professor Meyer

8. Clinic.—Research Hospital. Selected topics, with special reference to Diseases of the Heart. (To one-sixteenth the class.) 1 two-hour period (*eight weeks*). *I.* Associate Professor Strauss

11. Clinic.—Cook County Hospital. Selected topics. (To one-sixteenth the class.) 1 two-hour period (*eight weeks*). *I.* Assistant Professor Pilot

23. Physical Diagnosis Clinic.—Cook County Hospital. Tuberculosis Wards. (To small groups.) 1. *I.* Associate Professors Lewison, Chauvet

Optional Courses—Third Year

50. Diseases of the Gastro-intestinal tract.—Lectures and demonstrations. 1. *I.* Assistant Professor Meyer

51. Clinico-pathological lectures and demonstrations.—(Limited to one-eighth the class.) 1. (*eight weeks*). *I.* Assistant Professor Singer

52. Clinic.—Research Hospital. Selected topics. (Limited to one-eighth the class.) 1. (*eight weeks*). *I.* Dr. ——

53. Principles of Medicine.—Review course. 2. *I.*
Dr. Mora, Dr. Lifvendahl, Dr. Kronenberg

54. Clinic.—Diseases of the chest. Cook County Hospital. 1. *I.*
Dr. Freilich

Required Courses—Fourth Year

(Note: Of the following courses 172 hours will be assigned each student.)

12. Seminar in the Classics of Medicine.—A study of the epoch-making contributions. (Individual assignments.) 1. *I.*
Professor Williamson, Dr. Foley, Dr. Birch, Dr. Streicher, Dr. Deuss

14. Practice.—Continuation of the course of study of previous year. Lectures illustrated with charts and lantern slides. 1. *II.* Associate Professor Lewison

16. Clinic.—Research Hospital. Selected topics. Special stress is laid upon the newer methods of diagnosis as applied to clinical medicine. (To one-half the class.) 1 two-hour period. *I.* Professor WILLIAMSON

18. Clinic.—Research Hospital. Selected topics. (To one-half the class.) 1 two-hour period. *II.* Associate Professor MOORE

39. Clinic.—Cook County Hospital. Selected topics with special reference to Diseases of the Circulatory Apparatus. (To one-fourth the class.) 1 two-hour period (*eight weeks*). *I.* Associate Professor STRAUSS

20. Clinic.—Augustana Hospital. Selected topics. (To one-fourth the class.) 1 two-hour period (*eight weeks*). *I.* Assistant Professor FRICK

21. Clinic.—Research Hospital. Selected topics, with special reference to laboratory methods. (To one-sixteenth the class.) 1 two-hour period (*eight weeks*). *I.* Assistant Professor SINGER

22. Ward Clinic.—Research Hospital. Bedside instruction. (To one-sixteenth the class.) 1 two-hour period (*eight weeks*). *I.* Dr. FOLEY

24. Ward Clinic.—Research Hospital. Bedside instruction. (To one-sixteenth the class.) 1 two-hour period (*eight weeks*). *I.* Dr. STREICHER

25. Ward Clinic.————Hospital. Bedside Instruction. (To one-sixteenth the class.) 1 two-hour period (*eight weeks*). *I.* Associate Professor KEETON

OPTIONAL COURSES—FOURTH YEAR

54. Practical Therapeutics of Chest Diseases.—1. *I.* Professor PATTON

56. Diseases of the Heart.—With special reference to the graphic methods. 1. *I.* Associate Professor STRAUSS

57. Diseases of the Blood.—Demonstration course. (To one-eighth the class). 1. *I.* Associate Professor MOORE, Dr. BIRCH

58. Practical Application of Blood Chemistry.—Demonstrations and practical work. (Limited to eight students.) 1 two-hour period (*eight weeks*). *I.* Mr. ETS

59. Clinical Parasitology.—(Limited to eight students.) 1 two-hour period (*eight weeks*). *I.* Miss KAPLAN

60. Principles of Medicine.—Review course. 2. *I.* Dr. MORA, Dr. LIFVENDAHL, Dr. KRONENBERG

COURSE FOR GRADUATES

101. Research Work in Medicine.—*One to three units.* Professor WILLIAMSON

NEUROLOGY AND PSYCHIATRY

Professors SINGER, HASSIN, DAVIS; Assistant Professors DIAMOND, OLKON; Dr. HULBERT, Dr. LOW.

Required Course—Third Year

1. Neurology.—Didactic medicine. 1. *I.*
Assistant Professor Olkon, Dr. Hulbert

Required Courses—Fourth Year

2. Neurology.—Lectures and demonstrations. 1. *I.* 2. *I.*
Professor Hassin

3. Dispensary.—8 two-hour periods. *I.*
Assistant Professors Diamond, Olkon, Dr. Hulbert, Dr. Low

4. Psychiatry.—Lectures and case demonstrations. 1½. *I.*
Professor Singer, Professor Davis

Optional Courses—Fourth Year

50. Neuropathology.—1. (*eight weeks*). *I.* (Given once in each semester; limited to one-half the class.) Professor Hassin

51. Clinical Psychiatry.—Psychopathic Hospital. 1 two-hour period (*four weeks*). (Given twice each semester.) Professors Singer, Davis

PEDIATRICS

Professor Hess; Associate Professors Irish, Blatt; Assistant Professor Bower; Dr. Goldberger, Dr. I. M. Levin, Dr. Calvin, Dr. Berman, Dr. Borovsky, Dr. Greengard, Dr. Chamberlin, Dr. Rosenblum, Dr. Furby, Dr. Sherry, Dr. Wilhelmi, Dr. Leach, Dr. Eck, Dr. Saltiel, Dr. Engerman, Dr. Cohen, Dr. B. M. Levin, Dr. Pauker, Dr. Jacobs, Dr. Clein, Dr. Brown, Dr. Newcomb, Dr. McDavid

General statement

The work in pediatrics is given in the third and fourth years. So far as possible the course is one of individual instruction, the class being divided into small groups for clinical work.

Required Courses—Third Year

1. Practice and Clinic.—Nutrition and nutritional disturbances in infancy. Lectures; clinical conferences. 1. *I.* Professor Hess

4. Practice.—Recitations. 1. *I.* Associate Professor Irish and assistants

9. Clinic.—Cook County Hospital. Contagious diseases. In groups. 2. (*four weeks*). *I.* Assistant Professor Bower, Dr. Borovsky

Optional Courses—Third Year

50. Clinic.—Cook County Hospital. In groups. 1 two-hour period (*four weeks*). *I.* Dr. Rosenblum

51. Clinic.—Cook County Hospital. In groups. 1 two-hour period (*four weeks*). *I.* Dr. Calvin

REQUIRED COURSES—FOURTH YEAR

10. Clinic.—Dispensary; Research Hospital. In sections. 3 two-hour periods (*four weeks*). *I.* Dispensary Staff

12. Clinic.—Cook County Hospital. In groups. 1 two-hour period. *I.* Professor HESS

21. Clinic.—Cook County Hospital. In groups. 1 two-hour period (*four weeks*). *I.* Associate Professor BLATT

7. Clinic.—Cook County Hospital. Physical diagnosis and demonstration of cases. In groups. 1 two-hour period (*four weeks*). *I.* Associate Professor IRISH

OPTIONAL COURSES—FOURTH YEAR

52. Clinical Pediatrics.—Research Hospital. 1. *I.* Dr. BERMAN

53. Laboratory Diagnosis—Research Hospital. 1 two-hour period (*eight weeks*). *I.* Dr. BERMAN

54. Clinic.—Michael Reese Hospital. In groups. 1 two-hour period (*four weeks*). *I.* Professor HESS

55. Pediatrics.—Dispensary; Research Hospital. 6 two-hour periods (*two weeks*). *I.* Dispensary Staff

COURSE FOR GRADUATES

101. Research work in Pediatrics.—*One to three units.* Professor HESS

ROENTGENOLOGY

Professors HARTUNG, BACHEM

REQUIRED COURSE—FOURTH YEAR

4. Roentgenology.—Practice and demonstration in the use of X-ray in medicine and surgery. 1. *I.* Professor HARTUNG

OPTIONAL COURSE—FOURTH YEAR

50. Principles of Physiotherapy.—X-ray, radium, ultra-violet, diathermy, etc. 1. *I.* Professor BACHEM

HISTORY OF MEDICINE

Dr. CIGRAND

OPTIONAL COURSE—FOURTH YEAR

51. History of Medicine.—1. *I.* Dr. CIGRAND

OBSTETRICS AND GYNECOLOGY

Professor FALLS, *Head of the Department*

Professor LEWIS; Associate Professor FISCHMANN; Assistant Professors LANG, HAMMOND, STONE, LACKNER; Dr. CARY, Dr. NEWBERGER, Dr. JUHNKE, Dr. HOFFMAN, Dr. LASH, Dr. FITZGERALD, Dr. HALL, Dr. ROSE, Dr. GROOT, Dr. MARTIN, Dr. THEISEN, Dr. HARK, Dr. McGUIRE, Dr. BACON, Dr. MARYAN, Dr. WHITACRE.

OBSTETRICS

GENERAL STATEMENT

The course in obstetrics is presented in the second, third and fourth years.

In the second year the student is given a series of lectures and quizzes and is assigned collateral reading covering the anatomy, embryology and physiology of pregnancy and the puerperium.

In the third year in connection with manikin, laboratory and dispensary courses, lectures and quizzes on the pathology of pregnancy and the puerperium are presented.

In the fourth year amphitheater clinics in the Research and Educational Hospital with demonstrations and operations are given to groups, together with bedside clinics. In addition each student is required to spend two weeks full time service as a clinical clerk in the department.

Other clinical instruction in the nature of ward walks and demonstrations is given to small groups at the Cook County Hospital, St. Lukes Hospital, Mt. Sinai Hospital, and the Chicago Lying-in Hospital and Dispensary.

Fourth year students are required to take two weeks in residence in the outpatient service of the Chicago Lying-in Hospital and dispensary where ample opportunity for practical experience in the delivery of patients in the home under proper supervision is afforded. A fee of fifteen dollars, payable in advance at the dispensary, is charged for this course. For those who cannot be accommodated in this course a two-week externeship at the Research and Educational, Grant and Cook County Hospitals has been provided.

Clinical clerkships involving daily attendance in the wards from 9 a. m. to 5 p. m. for two weeks are arranged for seniors. Training in history writing, assisting in the operating and delivery rooms, and in the giving of anaesthetics is provided

REQUIRED COURSES—SECOND YEAR

1. Physiology of Pregnancy and Labor.—2. *I.*

Assistant Professor HAMMOND, Dr. HALL, Dr. THEISEN, Dr. GROOT, Dr. FITZGERALD

REQUIRED COURSES—THIRD YEAR

2. Pathology of Pregnancy and Labor and the Puerperium.—Lectures, quizzes and demonstrations. 2. *I.*

Professor FALLS, Assistant Professor LACKNER, Dr. ROSE, Dr. MCGUIRE, Dr. NEWBERGER

3. Manikin.—Obstetrical operations are demonstrated and practice is afforded the student to do the operations on the manikin under supervision and to become thoroughly familiar with the instruments and technique of such operations. The work is given to small groups so that individual instruction is possible. One fourth class. 1 two-hour period (*eight weeks*). *I.*

Professor FALLS, Dr. FITZGERALD, Dr. MARTIN, Dr. ROSE, Dr. HALL

4. Clinics.—Clinics are held for small groups at Cook County Hospital, St. Luke's Hospital, Mt. Sinai Hospital, Educational and Research Hospital, 1 two-hour period (*eight weeks*). *I.*

Professors FALLS, LEWIS, Dr. CARY, Dr. NEWBERGER

7. Dispensary out-clinic.—3 two-hour periods (*three weeks*). *I.*
Dr. Groot, Dr. Martin, Dr. Hall, Dr. Maryan, Dr. Theisen, Dr. Rose

Required Courses—Fourth Year

25. Clinic.—Research and Educational Hospital. To small groups. 4 two-hour periods (*two weeks*). *I.* Professor Falls

27. Bedside Clinic.—Research and Educational Hospital. To small groups. 4 two-hour periods (*two weeks*). *I.*
Professor Falls, Assistant Professor Hammond, Dr. Theisen, Dr. Hark

15-16a. Obstetrical and Gynecological Laboratory.—The student studies gross and microscopic specimens of the more common obstetrical complications such as Ruptured uterus, Ablatio placenta, Puerperal sepsis, Ectopic pregnancy, Hydatid and blood moles, and various diseases and abnormalities of the fetus and newborn. Bacteriological as well as pathological material is presented and fresh specimens when available. Gynecological pathology is studied from glass and microscopic specimens. 1 two-hour period (*eight weeks*). *I.*
Professor Falls, Assistant Professor Stone, Dr. Lash, Dr. Hark

28. Obstetrical Complications.—Complicated obstetrical cases are demonstrated and discussed. 1. (*eight weeks*). *I.*
Professor Falls, Assistant Professor Lackner

Optional Courses—Third and Fourth Years

(Will not be given for less than 5 or more than 15 students)

50. Toxemias of Pregnancy.—1. *I.*	Dr. Martin
51. Physiology of Pregnancy.—1. *I.*	Dr. Groot
52. Puerperal Sepsis.—1. *I.*	Assistant Professor Lackner
53. Sterility and Conception.—1. *I.*	Dr. Newberger
54. Review course.—1. *I.*	Dr. Rose
55. Obstetrical Pathology.—1. *I.*	Dr. Lash
56. Heart complications in Pregnancy.—1. *I.*	Dr. Fitzgerald

Course for Graduates

101. Research Work in Obstetrics and Gynecology.—*One to three units.*
Professor Falls

GYNECOLOGY

General Statement

The course in gynecology is presented in the fourth year. It includes lectures and quizzes, laboratory and demonstration, seminar, ampitheater clinic and dispensary clinic.

The student has been given the fundamentals of the anatomy and physiology and pathology of the subject in connection with his obstetrical work in the third year.

The didactic work consists of lectures and quizzes to half the class throughout the year. The seminar work is conducted in small groups and is designed to familiarize the student with the sources of information on this subject. Complete files of the important journals are available in the main library. Students prepare and present papers on gynecological subjects and these are discussed by the group.

The clinical work consists of clinics at the Cook County, Michael Reese and the Research and Educational Hospitals. Bedside instruction, stressing preoperative preparation and post-operative treatment, is presented to small groups.

In the out-patient dispensary the student is trained in history taking, gynecological examinations, and the treatment of ambulatory patients.

REQUIRED COURSES—FOURTH YEAR

1. Lecture and quiz.—(One-half the class.) 1. *I.*

Professor FALLS, Associate Professor FISCHMANN, Assistant Professors STONE, LACKNER

3. Ward walk.—1. (*eight weeks*). *I.*

Associate Professor FISCHMANN, Dr. LASH, Dr. HARK, Dr. THEISEN

4. Seminar.—1. (*eight weeks*). *I.*

Assistant Professor LANG, Dr. HOFFMAN

7. Clinic.—Cook County Hospital. Operative and demonstration course. 1 two-hour period. *I.*

15-16. Clinic Dispensary.—Small groups are instructed in history taking and physical examinations and are permitted to treat minor gynecological complaints under supervision. 3 two-hour periods (*three weeks*). *I.*

Associate Professor FISCHMANN, Assistant Professors LANG, STONE, Dr. JUHNKE, Dr. HOFFMAN, Dr. LASH, Dr. BACON

OPTIONAL COURSES—FOURTH YEAR

50. Pelvic neoplasms.—1.	Dr. JUHNKE
51. Pelvic inflammation.—1. *I.*	Assistant Professor STONE
52. Uterine hemorrhages.—1. *I.*	Dr. LASH
53. Menstrual disorders.—1. *I.*	Associate Professor FISCHMANN
54. Gynecological and obstetrical tuberculosis.—1. *I*	Assistant Professor LANG
55. Post Operative treatment at Michael Reese.—1. *I.*	Dr. LACKNER

OPHTHALMOLOGY

Assistant Professor BEARD; Dr. FOLK, Dr. MAY, Dr. GREENWALD

REQUIRED COURSES—FOURTH YEAR

1. Clinic and Practice.—Dispensary, clinic, and laboratory course. This includes the normal and pathological anatomy of the eye, practice in the use of ophthalmoscope, perimeter, focal light and test charts, and the study of those eye diseases which the general practitioner most frequently encounters. The student is especially trained in the taking of histories of eye patients. 5 two-hour periods. (*four weeks*). *I.*

2. Didactic Ophthalmology.—Stereopticon demonstrations and quizzes. 16 one-hour periods. Assistant Professor BEARD, Dr. FOLK

OPTIONAL COURSE—FIFTH YEAR

50. Ophthalmology.

1. Methods of Clinical Examinations (9-12 a. m. daily), 12 months.

2. Study of classical monographs and preparation of 25 case-histories for "The National Board of Ophthalmic Examinations" (2-5 p. m. daily), 4 months.

Physicians' Extension Courses in Ophthalmology

6. Clinical Course.—Designed for those who wish to take up ophthalmology as a specialty. The course affords individual training in standardized methods. The work is of a practical case-study nature.

A given method or process, such as retinoscopy or perimetry, is first explained and demonstrated. The physician is then assigned a case in which the data have been previously determined by the instructor. The physician makes an independent study and reports his findings to the instructor for criticism and grading. The process is continued until a reasonable degree of accuracy has been attained. Only one process is studied at a time. Processes taught are: I. Determination of Central Visual Acuity, Neutralization of Lenses, Retinoscopy, Refraction (with Cycloplegia and without), Tonometry, Determination of Degrees of Strabismus or Paralysis, Types of Discs (Elschnig's Classification). II. Measurement of Disc Levels, Perimetry, Objective Findings in External and Fundus Disease, Case-History Writing and Diagnosis, Prognosis, and Treatment of a given case as a whole. This course extends over twelae months. The first four months' work covers the first seven processes, the second four months covers the next four, and the last four months complete the course. Pathology is taken with undergraduate students. In the third period classical monographs are abstracted. Hours: 9 to 12 a. m., 6 days per week. The Staff

The fee for each period of four months is $50.00.

7. Pathology of the Eye.—Four months. Hours to be arranged. *I.*

PATHOLOGY AND BACTERIOLOGY

Professors Davis, Petersen; Associate Professors Jeffe, Arnold; Assistant Professors Pilot, Levinson; Dr. Rappaport, Dr. Bengston, Dr. Willis, Dr. Becker, Mr. Lepak, Mr. Moore, Miss Paulsen, Miss Voss

Required Courses—First Year

1. General Bacteriology and Protozoology.—Pathogenic bacteria and protozoa. Immunity. Lectures, demonstrations; 2: laboratory; 6 hours. *I.*

Professor Davis, Associate Professor Arnold, Assistant Professor Pilot and assistants

Required Course—Second Year

2. General Pathology and Pathological Histology.—General pathology; gross and microscopic study of fresh and preserved pathological material. Lectures, recitations, demonstrations; 3: laboratory; 8 hours. *I.*

Professor Petersen, Associate Professor Jaffe, Assistant Professor Levinson and assistants

3. Clinical Pathology.—Chemical and microscopical examination of urine, feces and blood, with special emphasis on technique. Lectures and demonstrations; 1: laboratory; 2. (*eight weeks.*) *I.* Dr. Rappaport, Dr. Bengston and assistants

Required Courses—Third Year

22. Clinical Pathology.—Microscopic, bacteriological, and chemical examination of blood, urine, sputum, feces, stomach contents, exudates, etc. 2 two-hour periods. *I.* Dr. Rappaport, Dr. Bengston and assistants

23. Special Pathology and Autopsies.—Gross and microscopic examination of organs, autopsies, post-mortem bacteriology and experimental pathology. 1. *I.* 4. *I.* Professor PETERSEN, Associate Professor JAFFE, Assistant Professor PILOT, Dr. WILLIS.

27. Preventive Medicine.—General principles of prevention of disease. Epidemiology. Prevention of disease as applied to the specific diseases and the specialties. Lectures and demonstrations; 2. *I.*
Professor DAVIS, Associate Professor ARNOLD

REQUIRED COURSE—FOURTH YEAR

29. Public Health.—Organization of health departments and the work of the divisions of the same; vital statistics, inspection of schools and factories; sanitation; food supply and control; public welfare. Lectures and practical work. 3 (*eight weeks*). *I.* Dr. BECKER

OPTIONAL COURSES

50. Pathology, Bacteriology and Immunity of Tuberculosis.—6. *I.* (second semester—second year.) Professor PETERSEN, Assfstant Professor LEVINSON

51. Advanced Work and Research.—(Limited to properly qualified students.) 6. *I.*
Professors DAVIS, PETERSEN, Associate Professors JAFFE, ARNOLD

52. Advanced Work in Special Diagnostic Laboratory Methods.—(Limited to a few qualified students.) 6. *I.* Assistant Professor PILOT, Dr. RAPPAPORT

55. Diagnosis of Tumors.—(Open to students who have had courses in general and special pathology.) 6. *I.* Associate Professor JAFFE

COURSES FOR GRADUATES

101. Advanced Pathogenesis.—Pathology and Bacteriology. *One or two units.*
Professor PETERSEN, Associate Professor JAFFE

105. Individual Research.—*One or two units.*
Professor DAVIS, Professor PETERSEN, Associate Professor JAFFE

PHARMACOLOGY, MATERIA MEDICA AND THERAPEUTICS

Professor McGUIGAN; Assistant Professor CAMP; Mr. ETS

REQUIRED COURSES—SECOND YEAR

(*Prerequisites:* Physiology, Course No. 1, or equivalent; Physiological Chemistry, Course No. 2 or equivalent.)

1. Pharmacology.—Lecture; 1: laboratory; 2. *I.*
Professor McGUIGAN, Assistant Professor CAMP, Mr. ETS

2. Pharmacology.—Lecture or quiz; 4: laboratory; 4¼. *I.*
Professor McGUIGAN, Assistant Professor CAMP, Mr. ETS

REQUIRED COURSE—THIRD YEAR

3. General Therapeutics and Pharmacy.—4. *I.* Professor McGUIGAN

Optional Courses—Second Year

(*Minimum registration:* 5 students for each course)

50. History of Pharmacology and Toxicology.—Review of modern books pertinent to the subject. 3. *I.* (Second semester.)
Professor McGuigan, Assistant Professor Camp, Mr. Ets

51. Materia Medica.—Prescription writing. 3. *I.* (Second semester.)
Professor McGuigan, Assistant Professor Camp, Mr. Ets

52. Toxicology.—Symptomatology, pathology, treatment and identification of poisons. 3. *I.* (Second semester.)
Professor McGuigan, Assistant Professor Camp, Mr. Ets

53. Systemic Pharmacology.—(a) Eye, (b) digestive system, (c) respiratory system, (d) autonomic nervous system, (e) blood, (f) circulatory organs, heart and kidneys. 3. *I.* (Second semester.)
Professor McGuigan, Assistant Professor Camp, Mr. Ets

Optional Course—Third and Fourth Years

54. Therapeutics.—Consideration of disease from physiological and pathological standpoints, rational treatment. 3. *I.* (Second semester.)
Professor McGuigan, Assistant Professor Camp

Courses for Graduates

101. Advanced Pharmacodynamics.—*One or two units.* Professor McGuigan

103. Research Work in Pharmacodynamics.—*One or two units.*
Professor McGuigan

PHYSIOLOGY AND PHYSIOLOGICAL CHEMISTRY

Professors Dreyer, Welker; Assistant Professors Bergeim, Oslund; Mr. Cole, Mr. Johannesen, Mr. Boor, Mr. Johnson, Mr. Newman, Mr. Rosi, Mr. Thomas, Mr. Kaplan, Mr. Burns, Mr. Vessey

General Statement

The course in physiology is articulated with the other subjects in the curriculum to secure the maximal degree of correlation. Due emphasis is placed on the laboratory work. The standard equipment, as ordinarily provided for the fundamental experiments of the science, is supplemented by special apparatus for the study of clinical problems relating to circulation, respiration, vision, and the nervous system.

The laboratory exercises are selected not only to illustrate and to vitalize the subject-matter of the didactic course, but also to supply the useful technical training and to develop interest in the methods and problems of original investigation. Facilities and equipment are available for those who desire to take advanced work or engage in research.

For the work in chemistry, three laboratories are equipped for routine instruction. Additional rooms for the preparation of class work and for metabolism experiments are connected with these laboratories. Research and graduate work are conducted in the Research Laboratory and Library Building. For the use of advanced students and investigators the nucleus of a chemical library, embracing the principal works of reference, is kept in the laboratory. The main library contains complete files of the more important journals of biochemistry.

REQUIRED COURSES—FIRST YEAR

1. Physiology.—Blood and lymph, muscle and nerve, circulation. Lectures and recitations; 2: demonstration and laboratory; 3. *I.*
Professor DREYER and assistants

2. Physiological Chemistry and Toxicology.—Lectures, demonstrations, conferences; 3: laboratory; 8¼. *I.*
Professor WELKER, Assistant Professor BERGEIM, Mr. COLE, Mr. BOOR, Mr. JOHNSON and assistants

REQUIRED COURSE—SECOND YEAR

3. Physiology.—Respiration, secretion, digestion and absorption, excretion, metabolism, special senses, central nervous system. Lectures, recitations, demonstrations; 4: laboratory; 6. *I.* Professor DREYER and assistants

OPTIONAL COURSES

(*Prerequisites:* In physiology, courses 1 and 3, in chemistry, course 2.)

51. Advanced Laboratory Work.—Physiological demonstrations and research; graphic methods. 3. *I.*
Professor DREYER, Assistant Professor OSLUND, Mr. JOHANNESEN

52. Physiological Optics.—3. *I.* Professor DREYER

53. Internal Secretion.—3. *I.* Assistant Professor OSLUND

54. Gastro-Intestinal Tract.—3. *I.* Mr. JOHANNESEN

60. Special Topics in Biochemistry.—Blood analysis. Vitamine studies. Methods and clinical significance. Assistant Professor BERGEIM, Mr. COLE

62. Preparation of Pure Proteins.—6. *I.* Professor WELKER

63-64. Physiological Seminar.—Members of the teaching staff and advanced students meet weekly to discuss special topics suggested by current research and the journal literature.

65-66. Biochemical Seminar.—The members of the teaching staff and graduate students in physiological chemistry meet weekly to discuss the current literature.

Research.—The laboratories are open to persons with the requisite scientific training for the conduct of original investigations under the direction of the members of the staff.

COURSES FOR GRADUATES

101. Advanced Biological Chemistry.—Biochemical methods of research, biological colloids, enzyme action and metabolism. *One or two units.*
Professor WELKER, Assistant Professor BERGEIM

103. Biochemical Research.—*One or two units.*
Professor WELKER, Assistant Professor BERGEIM

105. Advanced Physiology.—An introduction to original work in Experimental Physiology. Individual instruction in fundamental methods. Laboratory course.—*One or two units.* Assistant Professor Oslund

109. Research Work in Physiology.—*One or two units.*
Assistant Professor Oslund

SURGERY

Professor Hedblom, *Head of Department*

GENERAL SURGERY

Professors Hedblom, Humiston, Percy, Schultz, Dyas; Associate Professors Lounsbury, Phifer, Andrews, de Tarnowsky; Assistant Professors Davenport, Zimmerman, Nadeau, Metz, McArthur, Jirka, Jones; Dr. Bamberger, Dr. Sullivan, Dr. Koucky, Dr. Seed, Dr. Crile, Dr. Graham, Dr. Kordenat, Dr. Head, Dr. Wernicke, Dr. Amberson, Dr. Prescott, Dr. B. R. Parker, Dr. Mora, Dr. Joannides, Dr. Braude, Dr. Browning, Dr. M. L. Parker

General Statement

Instruction in surgery is begun in the second semester of the second year and continues throughout the third and fourth years.

In the second semester of the second year a course of lectures and demonstrations is given touching on the history of surgery and outlining the fundamental principles of surgery with special reference to asepsis, anaesthesia, wound healing, shock, hemorrhage and some of the infectious conditions.

In the third year, instruction consists of a systematic course in regional surgery, instruction in history taking, minor surgery and surgical dressings in the dispensary, and of clinical and operating room demonstrations in which diagnosis, surgical indications and pathology are chiefly stressed.

In the fourth year the clinical and operating room demonstrations continue and each student is required to serve for a stated period as clinical clerk in the surgical wards of the hospital. During this period, the student is required to take histories, do physical examinations under the supervision of members of the staff on cases assigned to him. He is also expected to be present at operations on patients he has studied, to make a careful study of any pathological specimens removed, to follow the patient's convalescence and to embody his observations together with the result of collateral reading bearing on the case in the case history which he submits as the basis for credit. The student is also expected to be present at all post-mortems performed at the hospital during the period of his clerkship.

In addition to the above mentioned required work, optional courses are offered including surgical anatomy, operative surgery on the cadaver and on animals and in some of the surgical specialties.

Required Course—Second Year

1. Fundamental Principles of Surgery—Asepsis, Anaesthesia, Shock, Hemorrhage, Septicemia, Surgery of the Skin, Blood Vessels and Lymphatics and Surgical Dressings. 2. *I.*

REQUIRED COURSES—THIRD YEAR

(NOTE: Of the following courses 112 hours will be assigned each student)

2. Regional Surgery and Surgical Pathology.—Conferences, demonstrations, recitations. 2 two-hour periods. *I.*
Associate Professor PHIFER, Dr. SEED, Dr. BAMBERGER, Dr. SULLIVAN

7-8. Clinic.—Dispensary. Research and Educational Hospital. History taking, Diagnosis, Minor Surgery and Surgical Dressings. 3 two-hour periods. (*three weeks*). *II.*
Dr. SEED, Dr. KOUCKY, Dr. BAMBERGER, Dr. KORDENAT, Dr. AMBERSON, Dr. PRESCOTT

5. Surgical Diagnosis.—Research and Educational Hospital. 1 two-hour period. *I.* Professor HEDBLOM

6. Clinic.—Research and Educational Hospital. 1 two-hour period. *I.*
Associate Professor ANDREWS

11. Clinic.—Cook County Hospital. 1 two-hour period. *I.* Professor DYAS

13. Clinic.—Augustana Hospital. 1 two-hour period. *I.* Professor PERCY

14. Anaesthetics.—Practical demonstrations to individual students at the Augustana Hospital. 1 two-hour period. *I.*

OPTIONAL COURSES—THIRD YEAR

50. Principles of Surgery.—A review course. 1. *I.* Dr. MORA, Dr. B. R. PARKER

52. Operative Surgery of the Abdomen.—1. *I.* Dr. GRAHAM, Dr. BRAUDE

53. Surgery of Fractures.—1. *I.* Dr. CRILE

54. Preoperative and Postoperative Treatment.—1. *I.*
Assistant Professor NADEAU

55. Anaesthesia, Blood Transfusion, Surgical Dressings, and Bandaging.—Individual instruction and demonstration. 1. *I.* Dr. HEAD

56. Special Features.—Lectures, Recitations, Conferences. 2. *I.*
Assistant Professor DAVENPORT

57. Surgical Pathology.—2. *I.* Assistant Professor NADEAU

58. Intravenous Therapy.—1. *I.* Dr. KORDENAT

REQUIRED COURSES—FOURTH YEAR

(NOTE: Of the following courses 198 hours will be assigned each student)

20. Clinic.—Research and Educational Hospital. 1 two-hour period. *I.*
Professor HEDBLOM

21. Surgical Diagnosis.—1 one-hour period. *I.* Professor HUMISTON

22. Clinic.—Research and Educational Hospital. 1 one-hour period. *I.*
Dr. SEED

23. Clinic.—Research and Educational Hospital. 1 two-hour period. *I.*
Dr. Koucky

24. Clinic.—Cook County Hospital. 1 two-hour period. *I.* Professor Dyas

36. Clinic.—Cook County Hospital. 1 two-hour period. *I.*
Assistant Professor Davenport

32. Clinic.—Augustana Hospital. 1 two-hour period. *I.* Professor Percy

33. Clinic.—St. Luke's Hospital. 1 two-hour period. *I.*
Assistant Professors Jones, McArthur

25. Clinic.—Washington Boulevard Hospital. 1 two-hour period. *I.*
Associate Professor Lounsbury

26. Surgical Pathology.—Laboratory. 1 two-hour period. (*eight weeks*). *I.*
Assistant Professor Nadeau, Dr. Head

27. Clinical Clerkship.—Research and Educational Hospital. History taking, physical examinations, laboratory examinations, ward walks and operative demonstrations. 7 hours per day. (*two weeks*). *I.*
Associate Professor Andrews and surgical staff

(Note: Students will not be held responsible for assigned work while taking clinical clerkship.)

Optional Courses—Fourth Year

56. Regional Surgery.—A review course. 1 two-hour period. *I.*

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57. Surgery of the Central Nervous System.—1. *I.*
Assistant Professor Davenport

58. Surgery of the neck.—1. *I.* Assistant Professor Nadeau

59. Surgery of the neck.—1. *I.* Dr. Seed

60. Surgery of the Thorax.—1. *I.* Professor Hedblom, Dr. Head

61. Surgery of the Abdomen.—1. *I.* Professor Humiston

62. Surgery of Hernia.—Lectures, lantern slide demonstration.—1. *I.*
Associate Professor Andrews

63. Surgery of Fractures.—1. *I.* Professor Thomas

64. Surgery of the Spleen and Anaemias.—1. *I.* Professor Percy

65. Surgical Diseases of the Bladder.—1. *I.* Professor McKenna

66. Operative surgery on the cadaver.—Regional Surgical Anatomy. Individual demonstration. 1 two-hour period. *I.*
Associate Professor Lounsbury and staff

67. Seminar.—Intensive study of a subject of the student's own selection. 1 two-hour period. *I.* Associate Professor Andrews

68. Operative surgery on animals.—1 two-hour period. *I.* Dr. Koucky

69. Regional Surgical Anatomy.—1 two-hour period. *I.* Dr. Crile

70. Research on assigned problems to those qualified.
Professor Hedblom and staff

COURSE FOR GRADUATES

101. Research Work in Surgery.—*One to three units.* Professor HEDBLOM

GENITO-URINARY SURGERY

Professor McKENNA; Assistant Professors HERROLD, O'CONOR; Dr. SCHNETZER, Dr. HIRSCH, Dr. VAN HAZEL

REQUIRED COURSES—THIRD YEAR

3. Practice.—Conferences, recitations. In sections. 1. *I.*
Professor McKENNA, Assistant Professors HERROLD, O'CONOR, Dr. VAN HAZEL

5-6. Clinic.—Dispensary. In sections. 6 two-hour periods. (*two weeks*). *II.*
Professor McKENNA, Dr. VAN HAZEL, Dr. HIRSCH, Dr. SCHNETZER

OPTIONAL COURSE—THIRD YEAR

50. Advanced Genito-Urinary Surgery.—1. *I.*
Professor McKENNA, Assistant Professor HERROLD, Dr. HIRSCH

REQUIRED COURSES—FOURTH YEAR

12. Clinic.—Cook County Hospital. Individual instruction in the diagnosis of genito-urinary diseases, including cystoscopy, catheterization of the ureters, interpretation of roentgenograms and of chemical and microscopical urinalyses. In sections. 1 two-hour period. (*six weeks*). *I.* ——————

13. Clinic.—Research and Educational Hospital. In sections. 1 two-hour period. (*four weeks*). *I.* Professor McKENNA

OPTIONAL COURSE—FOURTH YEAR

51. Surgery of the Genito-Urinary tract.—1. *I.*
Professor McKENNA, Assistant Professor O'CONOR

ORTHOPEDIC SURGERY

Professor THOMAS; Assistant Professors SPRAGUE, HOBART; Dr. MURPHY, Dr. HAUSER, Dr. FISCHER

REQUIRED COURSES—THIRD YEAR

3. Practice.—Conferences, recitations. In sections. 1. *I.*
Professor THOMAS, Assistant Professors SPRAGUE, HOBART, Dr. MURPHY, Dr. HAUSER, Dr. FISCHER

5. Clinic.—St. Luke's Hospital. 2. *I.*
Professor THOMAS, Assistant Professor HOBART, Dr. HAUSER

15-16. Clinic.—Dispensary. In sections. 3 two-hour periods. (*three weeks*). *II.* Professor THOMAS, Assistant Professors SPRAGUE, HOBART, Dr. MURPHY, Dr. HAUSER, Dr. FISCHER

OPTIONAL COURSE—FOURTH YEAR

50. Special Topics in Surgery of Joints.—Internal derangement of the knee-joint; orthopedic management of injuries and infections of the wrist-joint; bony blocking of joints. 1. *I.* Professor THOMAS, Dr. HAUSER

PROVISIONAL SUMMARY OF HOURS

FIRST YEAR

Subjects	First Semester		Second Semester		Total
	Didactic	Laboratory	Didactic	Laboratory	
ANATOMY:					
Gross	16	128	16	128	288
Microscopic	48	96	48	96	288
Bacteriology	..	..	32	96	128
Physiological Chemistry	48	132	..	..	180
Physiology	..	..	32	48	80
	112	356	128	368	964

SECOND YEAR

Subjects	First Semester		Second Semester		Total
	Didactic	Laboratory	Didactic	Laboratory	
Clinical Pathology	..	..	8	16	24
Medicine	16	..	32	..	48
Obstetrics	..	..	32	..	32
Pathology	48	128	..	..	176
Pharmacology	16	32	64	68	180
Physical Diagnosis	..	..	..	32	32
Physiology	64	96	..	..	160
Surgery	..	..	32	..	32
Electives	..	..	..	96	96
	144	256	168	212	780

PROVISIONAL SUMMARY OF HOURS (Continued)

THIRD YEAR

Subjects	First Semester		Second Semester		Total
	Didactic	Clinical and Laboratory	Didactic	Clinical and Laboratory	
Autopsy and Pathology	..	16	..	64	80
Clinical Pathology	..	64	..	..	64
Dermatology	..	..	16	..	16
Genito-Urinary Surgery	16	..	..	24	40
Hygiene	..	..	32	..	32
Medical Jurisprudence	..	..	16	..	16
Medicine	32	48	48	48	176
Obstetrics	32	16	..	34	82
Orthopedic Surgery	..	32	16	18	66
Otolaryngology	16	15	10	15	56
Pediatrics	16	..	16	8	40
Pharmacology	32	32	..	..	64
Surgery	64	..	..	48	112
Topographic Anatomy	..	96	..	..	96
Electives	80	..	88	..	168
	288	319	226	259	1092

FOURTH YEAR

Subjects	First Semester		Second Semester		Total
	Didactic	Clinical and Laboratory	Didactic	Clinical and Laboratory	
Dermatology	16	..	8	9	33
Genito-Urinary Surgery	..	20	..	..	20
Gynecology	24	8	..	50	82
Hygiene	..	..	..	24	24
Medicine	32	54	16	70	172
Neurology	16	8	32	8	64
Obstetrics	..	32	..	24	56
Ophthalmology	24	32	..	..	56
Pediatrics	..	40	..	32	72
Psychiatry	..	..	24	..	24
Roentgenology	16	..	..	..	16
Surgery	16	80	..	92	188
Surgical Pathology	..	..	..	16	16
Electives	88	..	120	..	208
	232	274	200	325	1031

COLLEGE ORGANIZATIONS

THE YOUNG MEN'S CHRISTIAN ASSOCIATION

The Association at the College of Medicine is a branch of the Young Men's Christian Association of Chicago. The secretary, Lucius C. Hollister, maintains his headquarters immediately adjacent to the College of Medicine. He has charge of the Employment Bureau, Room Register, Student Information Bureau and the social and religious activities of the student body.

The aim of the Association is service. It purposes to provide opportunity for the development of a varied program of service which will make for the attainment of the best in the individual and in the student body. The various activities are promoted by the cabinet—a group of student committees especially qualified for such service. The committees perform a special service through the employment bureau which is maintained to help those students who have to work their way through college.

A new ten-story building, located just one block east of the Colleg eof Medicine, was recently dedicated, and provides a comfortable home for our students.

ALUMNI ASSOCIATION OF THE COLLEGE OF MEDICINE OF THE UNIVERSITY OF ILLINOIS

President—Ralph H. Woods, '13, La Salle, Illinois.
First Vice-President—Fitch C. E. Mattison, '83, Chamber of Commerce Bldg., Pasadena, California
Second Vice-President—Ross Huston, '07, 125 40th St., Des Moines, Iowa
Third Vice-President—C. Geo. Appelle, '16, Robeson Bldg., Champaign, Illinois
Secretary-Treasurer—John M. Krasa, '13, 3335 W. 26th St., Chicago
Necrologist—Felix H. Renberg, '05, 3037 Wentworth Ave., Chicago
Member Executive Committee—Warren Pearce, '08, 209 Majestic Bldg., Quincy, Illinois
Alumni Councillors, Robert W. Morris, '02, 4301 Ellis Ave., Chicago
Arthur V. de Neveu, '03, Wyocena, Wisconsin
Charles O. Wiltfong, '01, 115 2nd St., Chesterton, Indiana
LeRoy J. Holmberg, '04, Canby, Minnesota
Edgar T. Blair, '20, 3432 W. Monroe St., Chicago, Illinois
William Harcourt Browne, '23, 6945 Stewart Ave., Chicago, Illinois

Alpha Omega Alpha

Alpha Omega Alpha, an international honorary medical fraternity, with chapters in twenty-four "Class A" medical schools, was founded in the College of Medicine, in 1902.

Third and fourth year medical students who have a grade of scholarship ranking them in the upper one-sixth of their class are eligible for membership.

Group II. Class of 1927

Sol Rosenthal
Florence Brown
George Milles
A. H. Goldberg
A. E. Cohen
Meyer Cahan
L. F. Waldman
H. D. Clayberg

Group I. Class of 1928

John Hillebrand
George De Trana
Fred Danziger
Cyril Ritchie
Abe Aaronson

MEDICAL RESEARCH CLUB

The Medical Research Club, the object of which is the stimulation of scientific research, meets once a month for the discussion of original scientific contributions. Since its organization in January, 1914, many papers have been presented before the society. The spirit of generous competition and helpful criticism that prevails in this club has been a stimulus toward the production of an increasing number of valuable scientific contributions.

Graduate students and others giving promise of doing meritorious work are eligible to associate membership. Associate members have all the rights and privileges of the club except the right to vote.

Elected to Membership, 1926-1927

Active Members

Norval Pierce, M. D., *Professor of Laryngology, Rhinology, Otology and Head of Department*
Hilda H. Kroeger, B. S., M. S. Graduate Student
Alden K. Boor, B. S., M. S., *Assistant in Physiological Chemistry*
Clarence A. Johnson, S. B., *Assistant in Physiological Chemistry*
Edward A. Boyden, A. B., A. M., Ph. D., *Associate Professor of Anatomy*
Lawrence O. Morgan, A. B., M. A., Ph. D., *Instructor in Anatomy*
Richard L. Webb, A. B., M. S., *Instructor in Anatomy*
Simon B. Chandler, A. B., A. M., M. D., *Assistant Professor of Anatomy*
George Milles, Ph. G., B. S. Medical Student
Jacob Sacks, S. B., M. S., Ph. D., *Instructor in Pharmacology*
Gordon H. Scott, A. B., M. A., Ph. D., *Assistant Professor of Anatomy*
Louis J. Brody, M. D., *Instructor of Bacteriology*

Honorary Member

Louis B. Wilson, M. D., *Director of the Mayo Foundation, University of Minnesota*

Papers Read Before the Club—1926-27

"Further Observations on the Behavior of the Human Gall Bladder During Fasting and In Response to Food," Dr. E. A. Boyden.
"Experimental Study of Fiber Connections and Function of the Corpus Striatum of the Cat," Dr. L. O. Morgan.
"An Immune Reaction in Tissue Culture," Dr. W. Bloom.

"The Histogenesis of the Thymus as Shown by Tissue Culture and Transplantation," Dr. N. Popoff.

"Studies on the Plasma Calcium Raising Principle of Bovine Parathyroid Glands," Dr. W. R. Tweedy.

"Studies in Inorganic Blood Phosphate of Rats on Rachitic and Non-rachitic Diets," Dr. E. M. Koch and Mr. M. H. Cahan.

"Comparison of the Albumins of Chicken Egg and Chicken Blood by Means of the Precipitin Reaction," Dr. L. Hektoen and Mr. A. G. Cole.

"Urinary Proteins. Further Studies on the Proteins of Nephritis," Drs. L. Hektoen, W. A. Thomas, and W. H. Welker.

"Permeability of Skin Capillaries of Normal Students," Drs. W. F. Petersen and D. A. Willis.

"Gross Changes of the Surface Area of the Gastric Mucosa," Dr. G. H. Scott.

"Permeability of Skin Capillaries During Menstruation and Pregnancy. II.," Dr. W. F. Petersen, Mr. G. Milles, and Dr. A. F. Lash.

"The Order, Time and Rate of Ossification of the Skeleton in Birds," Dr. R. M. Strong.

"The Origin and Development of Venous Valves," Dr. O. F. Kampmeier.

"Permeability of Skin Capillaries in Various Clinical Conditions," Dr. W. F. Petersen.

"Rhabdomyoma of the Tongue," Dr. K. Dewey.

"The Vital Capacity Following Operations," Dr. J. Head.

"Sickle Cell Anemia," Dr. R. H. Jaffe.

"Further Studies in the Utilization and the Storage of Food Iron," Dr. C. S. Williamson and Mr. H. N. Ets.

"Idiopathic Enlargement of the Ductus Choledochus and Other Anomalies of the Biliary Tract," Dr. E. A. Boyden.

"Amoebic Dysentery in Chicago. A Study of the Relationship of the Clinical Cases to the Source of Infection. (a) Clinical Aspects. Dr. C. S. Williamson. (b) Laboratory Aspects. Miss B. Kaplan.

"Histological Studies on the Lipoid Content of the Human Thyroid," Dr. R. H. Jaffe.

"The Susceptibility of the Host to Gastro-Intestinal Infections," Dr. L. Arnold.

"Cellular Specialization in the Elimination of Iron Through the Gastro-Intestinal Canal," Dr. M. H. Streicher.

"The Significance and Determination of Erythema Doses," Dr. A. Bachem.

"A New Apparatus for the Transfusion of Untreated Blood," Dr. J. R. Head.

"Further Observations on Skin Reactions," Dr. A. Bachem.

"Behavior of Skeletal Muscles in Fever," Drs. E. F. Muller and W. F. Petersen.

"The Periaortic Fat Bodies and Aberrant Thyroids," Dr. D. J. Davis.

"A Study of a Streptococcus from Fatal Septicemia," Dr. I. Pilot.

"The Destruction of Cholesterol in Vitro by X-Radiation," Mr. R. P. MacFate and Dr. A. Bachem.

"The Site of Origin of Bile Pigment," Dr. J. L. Bollman.

"Skin Reactions with the Filtrate of the Koch Strain of Bacillus Tuberculosis Grown on a Synthetic Medium," Dr. C. C. Saelhof.

"An Experimental Study of the Effect of Diathermy upon Gastric Acidity," Dr. L. J. Brody.

"Circumscribed Suppurative (Non-Tuberculous) Peripachymenigitis. Histopathologic Study of a Case," Dr. G. B. Hassin.

"Observations On a Procedure for the Study of Calcium Absorption in Infants," Mr. E. O. Jodar.

"A Modification of the Kramer and Tisdall Method for the Micro-Determination of Potassium," Mr. G. Milles.

'The Composition of the Blood in Connection with Immunization," Mr. B. E. Twitchell.

"Studies of Cholesterol in Prevention of Rickets," Mr. M. H. Cahan.

"Factors in Research," Dr. Louis B. Wilson.

DEGREES CONFERRED

FIFTH YEAR CLASS

Session of 1926-27

DEGREE OF DOCTOR OF MEDICINE

Conferred October 13, 1926

Esteban Elicano Eliazo, B.S.

Conferred November 1, 1926

Harold Morris Jacobziner, B.S.

Conferred November 8, 1926

Helen Ruth Vincent, B.S.

Conferred January 1, 1927

Roy Merl Ledford, B.S.
John Leo Pieczynski, B.S.
Oscar Richter, B.S.

Conferred February 9, 1927

Clifford Earle Steckbauer, B.S.

Conferred June 12, 1927

Reuben Seid, B.S.

Conferred June 14, 1927

H. Manning Elliott, B.S.

Conferred June 15, 1927

Albert Carlos Barber, B.S.
Joseph Jacob Mizock, B.S.

Conferred June 16, 1927

Johannes John Jurgens, B.S.
Eugene Emerson Taylor, B.S.

Conferred June 25, 1927

Max Louis Polse, B.S.
Russell Lindsay Robertson, B.S.
Richard C. Shurtz, B.S.

Conferred June 26, 1927

Charles Gilbert Stoll, B.S.
Charles VanEpps Waggoner, A.B., B.S.

Conferred June 28, 1927

Joe P. Crabtree, B.S.

Conferred July 1, 1927

Harry Arlo Amesbury
Burton Richard Bancroft
Huston J. Banton, B.S.
Cecil Frederick Barber
John Theodore Belting
William Harold Bennett
Clinton A. Benzie
James Bernard Berardi
Caryle Bernard Bohner
Joseph Thomas Bolotin
Raymond Calvin Brown
Norman Charles Bullock
Melton Burdett Burns
Mack Clelland Canan, B.S.

Harold Bernard Cassidy, B.S.
Nelson Hole Chesnut, B.S.
Joseph Casimer Ciesla, B.S.
Ethelbert FitzRandolph Cox, B.S.
Harold James Collins, B.S.
Chester Leo Crean
Bernhard Johannes Cronwell, A.B., B.S.
Percy Joseph DeLano, B.S.
Nicholas Demetrios Demetropulos
Ralph Michael DiCosola
Paul Henry Esslinger, A.B., B.S.
John Edward Eubanks, Jr., B.S.
Earl Ernest Ewert, B.S.
Manley Fording Fellows, B.S.
Clarence Elbert Flack, B.S.
Carl Herman Gellenthien, B.S.
Emelia Josephine Giryotas, A.B., B.S.
Hymen William Golub, B.S.
Max Russell Greenlee, A.B.
Isadore Halperin, B.S.
Matthew James Hantover
Harry Clay Harris, B.S.
Carl Adel Hedberg, B.S.
Charles William Herman, B.S.
Frank Edward Hruby, B.S.
Max Iglowitz, B.S.
Reinhold Enoch Johnson, B. S.
Jennie Kantor, B.S.
Jerry Joseph Kearns
Raymond William Kelso
Donald William Killinger, B.S.
Elmer George Koehler, B.S.
Leonard Avii Kratz, B.S.
Philip Montgomery Law
Nathan Kent Lazar, B.S.
Seymour Rowland Lee
Rollin Harold Lester
Maurice B. Laven
Samuel Arthur Levin
Jacob Levy
Ben Lieberman, B.S.
Paul Howard McDaniel
Elbridge Albert McIntyre
Daniel Richard McLean
Alex George Marshall, B.S.
Hymen M. Massel, B.S.
Timothy Francis Mullen, Jr., B.S.
Samuel Bennet Nelson, B.S.
Ben King Parks, A.B., B.S.
Samuel Peluse, B.S.
Leon George Pertzoff, B.S.
Michael Zalman Pintzow, B.S.
Elza Carl Porter, B.S.
Loira Cromwell Pumphrey
Sidney Wallace Raymond, B.S.
Leon Edward Robinson, A.B.
Maurice Alexander Roe, B.S.
Eugene John Rooney
Robert Rosenberg, B.S.
Abraham Irving Rosenblum, B.S.
Anthony Frank Ruffolo, B.S.
James David Sarven, A.B., B.S.
Joseph Michael Schivone
Samuel Gero Seinfeld
Bryant Richard Selden, B.S.
Samuel John Sullivan, B.S.
Vincent J. Sutch
Lars Waldorf Switzer, B.S.
John Francis Tenczar, B.S.
Gilbert Bernard Tepper, B.S.
Clara Deborah Tigay, A.B.
Edward Claude Turner, A.B.
Max Edward Jacob Wiese

Conferred July 6, 1927

Gifford Harold Henry, B.S.

Conferred July 12, 1927

Roger Wolcott Hubbard, B.S.
Robert Krohn, B.S.

Conferred July 15, 1927

John Willard Bull, B.S.

Conferred July 17, 1927

Walter Franklin James

Conferred July 27, 1927

Stanley Joseph Giryotas, B.S.

Conferred August 1, 1927

Clarence Augustinus Johnson, B. S.
Albert Bellack Leigh, B.S.
Wilfred Jonathan Nowlin, B. S
Samuel Julian Hoffman, B.S.

Conferred August 13, 1927

Lawrence Francis Isenhart, B.S.

Conferred August 15, 1927

Bruce Ivan Ryder, B.S.

Conferred August 22, 1927

Hubert Hugh Beguesse, B.S.

Conferred September 1, 1927

Thomas Jackson, B.S.

Conferred September 2, 1927

Elizabeth Helen Schirmer, B.S.

Conferred October 1, 1927

Hugh Ginther Bridegroom, B.S.
Leo Eisler Amtman, B.S.

The Degree of Bachelor of Science

Conferred June 11, 1927

Irving R. Abrams
Melvin Louis Afremow, B.S.
James Sloan Altman
Laurence Grant Balding
John Goldfreed Bellows
Earl Elmer Blanck
Ralph Clinton Boren
Clay Stephen Boswell
Robert Joseph Burns
Carl Edward Clark
Francis Emmons Drew
Morris Feinstein
Irving Benwith Ferrias
Philmour Finkelstein
Sydney Richard Forkosh
Alexander Freimann
John Talbot Gernon
Otis Beryl Giltner
Louis Gogol
Noel Eugene Gordon
John Wilson Gray
Daniel Haffron
Elizabeth Webb Hill, A.B.
Otto Gustav Klein, A.B.
Ralph Hess Kunstadter
Aaron Learner
Rebecca Lidovsky
Isadore Dave Litwack
Alan F. McLaughlin
John Archibald Mathis
Perry Julius Melnick
Alfred Frederick Miller
Lovell Arthur Neal
Roland Clifford Nelson
Dan Clark Ogle, B.S.
Clement Paul O'Neill
Meredith Louis Ostrom
Albert Charles Petrik
Joseph Cyrus Reingold, with honors
Gilbert Jay Roberts, A.B.
Harold Alan Roth
Carmen Francis Russo
Maurice A. Schiller
Benjamin Seid
Arthur Louis Shafton, B.A.
Harold Shellow
David Charles Simon
Kenneth John Smith
Robert Harlie Smith
Nicholas Ernest Sodaro
Sam Solomon, Jr.
Fred D. Stone
Carroll W. Stuart, D.D.S.
Fred Louis Stuttle
Samuel Sweet
Arthur Alfred Tait, A.B.
Walter William Tobin
Andrew John Toman
Benjamin Edward Twitchell, A.B
Norman Arnold Wien
Henry Hyman Wolf
Lester Melvin Woodford

Certificate Presented June 11, 1927

Students who have completed four years of scheduled work in the College of Medicine of the University of Illinois, and who, upon the completion of a year of satisfactory interneship in a hospital approved by the University, will be entitled to the degree of Doctor of Medicine.

Samuel Victor Abraham, A.B.
Sergius Felix Arquin, B.S.
Frank Albert Bagley, B.S.
Alonzo Newton Baker
Russell Alvord Barrett
Elmer Clarence Bartels, B.S.
Jesse Franklin Beabout
Joseph Sloan Bell
Leon Philip Belous
Myron Evan Bird, B.A.
Norbert Alois Blickhan, B.S.
William Boikan, B.S., with honors
Albert Joseph Bown, B.S.
Cecil David Brown, B.S.
Florence Amelia Brown, B.S.
Meyer H. Cahan, B.S.
Cornelius Rice Cain, B.S.
Raymond Robinson Callaway, B.S.
Marcus Ryner Caro, B.S., with honors
James Carswell, Jr.
Harold D. Clayberg, A.B., M.S., Ph.D.
Arthut Rest Cohan, B.S.
Abraham Emil Cohen, B.S.
William Henry Cooper
Joe Tom Currey, B.S.
Ernest Maxwell Dewhirst, B.S.
Samuel Vaughn Dragoo, B.S.
Numa Pompilius Dunne, B.S.
Noah Daniel Fabricant, B.S.
Anthony John Falletti
Walter Raymond Fallon, Ph.G., B.S.
Fred Grant Ferguson, B.S.
George Constant Finola, B.S.
Louis Zolo Fishman, B.S.
Charles Emerson Fitzgerald, B.S.
Bohumil Charles Foucek, B.S.
Dorothy Miriam Franklin, A.B., B.S.
Peter Gaberman, B.S.
Amos Carvel Gipson, B.S.
Elizabeth Colver Gist, A.B., B.S.
Glen Earl Glasgow, B.S.
Abraham Hyman Goldberg, B.S.
Samuel Silas Goldberg, B.S.
Leon Harold Gorfinkel
Edward Albert Grabarski, B.S.
Paul Edward Haley, B.S.
Eugene William Hanson, B.S.
Earl Herron, B.S.
Janette Louise Holt
Carl Julius Henry Hotz, A.B.
Hubert Spangler Houston, Ph.G., B.S.
Milton Edward Hubbard, B.A.
Lucius Lester Hutchens
Albon Louis Jackson
Herman Alfred Jacobson, B.S.
Jacob Robert Jacobson, B.S.
Emery Orville Jodar, B.S.
Donald Voorhees Jordan
Harold William Kishpaugh, B.S.
Arthur Wesley Kistner, B.S.
Harry Kraut, B.S.
Joseph Harold Kris, B.S.
*Clarence Roland Kroeger, B.S.
Alfred Larson, B.A., Ph.D.
William Frederick Lauten
Mayer Harold Levy
John Paul McGee, B.S.
Foster Lamont McMillan, B.S.
Jacob Louis Marks, B.S.
John Cyrus Mason, B.S.
George Milles, Ph.G., B.S.
Herbert Thomas Nash
Haruto Okada, B.S.
James Vincent Oliverio, B.S.
Louis Parmacek, B.S., with honors
Ralph Otis Peterson, B.S.
Raymond Joseph Portman, B.S.
Knute Axel Reuterskiold, B.S., B.A.
Raymond Randolph Richards, B.S.
Charles Frederick Roan, B.S.
Eugene Robbins III, A.B.
Albert Frank Rosenblum
Sol Roy Rosenthal, B.S.
Norman Albert Ross, B.S.

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*Issued Jan. 30, 1927.

Herbert Spencer Sarnoff, B.S.
Morris J. Schiff, B.S.
Sophie Willene Schroeder, B.S.
*Louis William Schultz, D.D.S.
Benjamin Shapiro, B.S.
Sidney Sideman, B.S.
Louis Irwin Sokol, B.S.
Clarence Cornelius Stein, B.S
Clyde Peter Stollar
George William Tarry, B.S.
Malachi Combs Topping, B.S.
Harold Vivan Wadsworth
Leonard Francis Waldman, B.S.
Louis Stanley Wegryn, B.S.
Frederic Burnham Western, B.S.
Wilburn Jewell Williams
Joseph Henry Woolf
Felix Herman Zimmermann, B.S.

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*Issued Jan. 30, 1927.

REGISTER OF STUDENTS

SESSION OF 1927-28

FIFTH YEAR CLASS—HOSPITAL APPOINTMENTS

Alameda County Hospital	Numa P. Dunne
Alameda County, Calif.	Morris J. Schiff
Ancker Hospital	Raymond R. Richards
St. Paul, Minn.	
Ancon Hospital	George W. Tarry
Isthmus of Panama	
Augustana Hospital	Alonzo N. Baker
Chicago, Illinois	Arthur W. Kistner
	Charles F. Roan
Charity Hospital	J. Tom Currey
New Orleans, La.	
Cincinnati General Hospital	Harold D. Clayberg
Cincinnati, Ohio	
Cook County Hospital	Sergius F. Arquin*
Chicago, Illinois	Joseph S. Bell
	William Boikan
	Cecil D. Brown*
	Peter Gaberman
	Abraham H. Goldberg
	Earl Herron
	Herman A. Jacobson
	Harold W. Kishpaugh*
	Jacob L. Marks*
	Herbert T. Nash*
	Louis Parmacek*
	Albert F. Rosenblum
	Sol R. Rosenthal
	Frederic B. Western*
	Sidney Sideman*
Decatur and Macon County Hospital	Fred G. Ferguson
Decatur, Illinois	
Epworth Hospital	Paul E. Haley
South Bend, Indiana	
Grant Hospital	Russell A. Barrett
Chicago, Illinois	Leon P. Belous
	Bohumil C. Foucek
	William F. Lauten
Grasslands Hospital	Leonard F. Waldman
Valhalla, New York	
Harper Hospital	Jesse F. Beabout
Detroit, Mich.	
Henry Ford Hospital	Hubert S. Houston
Detroit, Mich.	Emery O. Jodar

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*From Jan. 1, 1928 to July 1, 1929.

Hillman Hospital Birmingham, Ala.	Raymond R. Callaway Amos C. Gipson Joseph H. Woolf
Kansas City General Hospital Kansas City, Mo.	Frank A. Bagley
Kings County Hospital Brooklyn, New York	George Milles
Los Angeles General Hospital Los Angeles, Calif.	Samuel V. Abraham Florence A. Brown Dorothy M. Franklin Elizabeth C. Gist Glen E. Glasgow Milton E. Hubbard Joseph H. Kris John C. Mason Ralph O. Peterson Louis I. Sokol
Lutheran Deaconess Hospital Chicago, Illinois	Harry Kraut
Lutheran Memorial Hospital Chicago, Illinois	Cecil D. Brown Meyer H. Levy
Methodist Episcopal Hospital Indianapolis, Indiana	Lucius L. Hutchens
Metropolitan Hospital New York, N. Y.	Benjamin Shapiro
Michael Reese Hospital Chicago, Illinois	Meyer H. Cahan Marcus R. Caro A. Emil Cohen Sidney Sideman*
McKeesport Hospital McKeesport, Pa.	J. Paul McGee
Mt. Sinai Hospital Chicago, Illinois	Louis Z. Fishman Samuel Goldberg Leon H. Gorfinkel
Oak Park Hospital Oak Park, Illinois	Norbert A. Blickhan Cornelius R. Cain
Ravenswood Hospital Chicago, Illinois	Eugene Robbins
Research and Educational Hospital Chicago, Illinois	Sophie W. Schroeder Harold V. Wadsworth Felix H. Zimmermann

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*Six months from June 1, 1927.

San Francisco Hospital San Francisco, Calif.	Samuel V. Dragoo Herbert S. Sarnoff
Santa Barbara Cottage Hospital Santa Barbara, Calif.	Ernest M. Dewhirst Malachi C. Topping
St. Elizabeth's Hospital Chicago, Illinois	Jacob Robert Jacobson James V. Oliverio
St. Francis' Hospital Evanston, Illinois	Frank R. Sender
St. Joseph's Hospital Chicago, Illinois	Myron E. Bird Cornelius E. Healy Clarence R. Kroeger*
St. Joseph's Hospital Fort Wayne, Indiana	Haruto Okada
St. Louis City Hospital St. Louis, Mo.	William H. Cooper Carl J. H. Hotz Albon L. Jackson Louis S. Wegryn Wilburn J. Williams
St. Luke's Hospital Chicago, Illinois	George C. Finola Foster L. McMillan Knute A. Reuterskiöld Clarence C. Stein
St. Luke's Hospital Duluth, Minn.	Donald V. Jordan
South Shore Hospital Chicago, Illinois	Arthur R. Cohan
Swedish Covenant Hospital Chicago, Illinois	James Carswell, Jr.
Tacoma General Hospital Tacoma, Wash.	Eugene W. Hanson
U. S. Naval Hospitals New York and San Diego	Charles E. Fitzgerald Norman A. Ross
Wesley Memorial Hospital Chicago, Illinois	Noah D. Fabricant
West Side Hospital Chicago, Illinois	Raymond J. Portman
West Suburban Hospital Oak Park, Illinois	Anthony J. Falletti Clyde Peter Stollar
Western Pennsylvania Hospital Pittsburgh, Pa.	Elmer C. Bartels

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*Service began Jan. 30, 1927.

FOURTH YEAR CLASS, 1926-27

Abraham, Samuel Victor, A.B.	*California*
Alexander, John Richard	*Illinois*
Arquin, Sergius Felix, B.S.	*Illinois*
Bagley, Frank Albert, B.S.	*Missouri*
Baker, Alonzo Newton	*Illinois*
Barrett, Russell Alvord	*Illinois*
Bartels, Elmer Claernce, B.S.	*Ohio*
Beabout, Jesse Franklin	*Illinois*
Bell, Joseph Sloan	*Illinois*
Belous, Leon Philip	*Illinois*
Bird, Myron Evan, B.A.	*Illinois*
Blickhan, Norbert Alois, B.S.	*Illinois*
Boikan, William, B.S., with honors	*Illinois*
Bown, Albert Joseph, B.S.	*Illinois*
Brown, Cecil David, B.S.	*Illinois*
Brown, Florence Amelia, B.S.	*Illinois*
Cahan, Meyer H., B.S.	*Illinois*
Cain, Cornelius Rice, B.S.	*Illinois*
Callaway, Raymond Robinson, B.S.	*Florida*
Caro, Marcus Ryner, B.S., with honors	*Illinois*
Carswell, James, Jr.	*Illinois*
Clayberg, Harold D., A.B., M.S., Ph.D.	*Illinois*
Cohan, Arthur Rest, B.S.	*Illinois*
Cohen, Abraham Emil, B.S.	*Illinois*
Cooper, William Henry	*Illinois*
Currey, Joe Tom, B.S.	*Tennessee*
Dewhirst, Ernest Maxwell, BS..	*Illinois*
Dragoo, Samuel Vaugh, B.S.	*Indiana*
Dunne, Numa Pompilius, B.S.	*Arizona*
Ellis, Harry David	*Illinois*
Fabricant, Noah Daniel, B.S.	*Illinois*
Falletti, Anthony John	*Illinois*
Fallon, Walter Raymond, Ph.G., B.S.	*Illinois*
Ferguson, Fred Grant, B.S.	*Illinois*
Finola, George Constant, B.S.	*South Dakota*
Fishel, John Virgil	*Illinois*
Fishman, Louis Zolo, B.S.	*Illinois*
Fitzgerald, Charles Emerson, B.S.	*Kansas*
Foucek, Bohumil Charles, B.S.	*Illinois*
Franklin, Dorothy Miriam, A.B., B.A.	*Arizona*
Gaberman, Peter, B.S.	*Illinois*
Gipson, Amos Carvel, B.S.	*Alabama*
Gist, Elizabeth Colver, A.B., B.S.	*West Virginia*
Glasgow, Glen Earl, B.S.	*Illinois*
Goldberg, Abraham Hyman, B.S.	*Illinois*
Goldberg, Samuel Silas, B.S.	*Illinois*
Gorfinkel, Leon Harold	*Illinois*
Grabarski, Edward Albert, B.S.	*Illinois*

Haley, Paul Edward, B.S.	*Illinois*
Healy, Cornelius Edward	*Illinois*
Hanson, Eugene W., B.S.	*Minnesota*
Herron, Earl, B.S.	*Illinois*
Holt, Janette Louise	*Illinois*
Hotz, Carl Julius Henry, A.B.	*Illinois*
Hubbard, Milton Edward, B.A.	*Utah*
Houston, Hubert Spangler, Ph.G., B.S.	*Illinois*
Hutchens, Lucius Lester	*Illinois*
Jackson, Albon Louis	*Georgia*
Jacobson, Herman Alfred, B.S.	*Illinois*
Jacobson, Jacob Robert, B.S.	*Illinois*
Jodar, Emery Orville, B.S.	*Illinois*
Jordan, Donald Voorhees	*Minnesota*
Kionka, Paul Frederick	*Illinois*
Kishpaugh, Harold William, B.S.	*Illinois*
Kistner, Arthur Wesley, B.S.	*Indiana*
Kraut, Harry, B.S.	*Illinois*
Kris, Joseph Harold, B.S.	*New York*
Kroeger, Clarence R., B.S.	*Arizona*
Larson, Alfred, B.A., Ph.D.	*Wisconsin*
Lauten, William Frederick	*Illinois*
Levy, Mayer Harold	*Illinois*
Logan, Francis William	*Illinois*
McDaniel, Lee Roy	*Illinois*
McGee, John Paul, B.S.	*Indiana*
McMillan, Foster Lamont, B.S.	*Illinois*
Marks, Jacob Louis, B.S.	*Illinois*
Mason, John Cyrus, B.S.	*Illinois*
Milles, George, Ph.G., B.S.	*Illinois*
Nash, Herbert Thomas	*Illinois*
Okada, Haruto, B.S.	*Hawaii*
Oliverio, James Vincent, B.S.	*Illinois*
Parmacek, Louis, B.S., with honors	*Illinois*
Peterson, Ralph Otis, B.S.	*Illinois*
Portman, Raymond Joseph, B.S.	*Wisconsin*
Reuterskiold, Knute, B.S., B.A.	*Sweden*
Richards, Raymond Randolph, B.S.	*Wisconsin*
Roan, Charles Frederick, B.S.	*Illinois*
Robbins, Eugene, III, A.B.	*Alabama*
Rosenblum, Albert Frank	*Illinois*
Rosenthal, Sol Roy, B.S.	*Illinois*
Ross, Norman Albert, B.S.	*Iowa*
Sarnoff, Herbert Spencer, B.S.	*Illinois*
Schiff, Morris J., B.S.	*Illinois*
Schroeder, Sophie Willene, B.S.	*Illinois*
Schultz, Louis W., D.D.S.	*Illinois*
Shapiro, Benjamin, B.S.	*New York*
Sideman, Sidney, B.S.	*Illinois*

Sokol, Louis Irwin, B.S.	*Illinois*
Stein, Clarence Cornelius, B.S.	*Illinois*
Stollar, Clyde Peter	*West Virginia*
Tarry, George William, B.S.	*Virginia*
Topping, Malachi Combs, B.S.	*Indiana*
Wadsworth, Harold Vivan	*Illinois*
Waldman, Leonard Francis, B.S.	*Illinois*
Wegryn, Louis Stanley, B.S.	*New Jersey*
Western, Frederic Burnham, B.S.	*Illinois*
Williams, Wilburn Jewell	*Missouri*
Woolf, Joseph Henry	*Alabama*
Zimmermann, Felix Herman, B.S.	*Wisconsin*

THIRD YEAR CLASS, 1926-27

Aaronson, Abe Louis, B.S.	*Illinois*
Adams, Wright Rowe, B.S.	*Illinois*
Anderson, Kenning Meredith, B.S.	*Illinois*
Aronson, Jacob Morris, B.S.	*Illinois*
Baldridge, William Odus	*Indiana*
Barone, Anthony Martin	*Illinois*
Bensema, Clarence E., B.S.	*Illinois*
Blackard, William James, Jr.	*Illinois*
Boyd, John Richard, B.S.	*Illinois*
Brandenberger, Arthur Russel, B.S.	*Illinois*
†Brandon, Lorimer Miller, B.S.	*Illinois*
Braunstein, Benjamin Davis, B.S.	*Illinois*
Brolnitsky, Olga Gowseevna	*Illinois*
Brooks, Clyde M.	*Illinois*
Bruner, Allen Maxwell, B.S.	*Illinois*
Burstein, Hyman Jack, B.S.	*Illinois*
Carelli, Paul Vincent, Jr., B.S.	*Illinois*
Carmody, James Patrick, B.S.	*Illinois*
Chapman, Morey	*Illinois*
Cooper, Fred	*Illinois*
Cywinski, Casimir Arthur	*Illinois*
Danziger, Fred, B.S.,	*Illinois*
DeTrana, George Edward, B.S.,	*Illinois*
Edahl, Edwin Waldamar, B.S.	*Illinois*
Ekstrand, Rowland Magnus, B.S.	*Illinois*
Elofson, Carl Elof	*Minnesota*
*Finesilver, Ilia	*Russia*
Finne, Burton Albert, B.S.	*Illinois*
Franco, Joseph Richard	*Illinois*
Gernon, John Talbot	*Illinois*
Gittlestein, Fred, B.S.	*Illinois*

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†Deceased.
*Unclassified.

Glassman, Frank	*Illinois*
Greenfield, Michael Breinar, B.S.	*Illinois*
Greenwald, Jack, B.S.	*Illinois*
Greenwood, Lilburn Silvas	*Illinois*
Gregoline, Amadel Ferruccio	*Illinois*
Gurevitz, Julius	*Illinois*
Hansen, Harold Frederick	*South Dakota*
Haskins, Frederick E., B.S.	*Indiana*
Hays, Tom George	*Illinois*
Heissig, Ida, B.S.	*Illinois*
Hill, Harold Herrin, B.S.	*Illinois*
Hillebrand, John George, B.S.	*Illinois*
Holmes, Wendel Francis, B.S.	*Illinois*
Holten, Edmund Herman	*Illinois*
Horn, Isadore	*Illinois*
Jacobs, Frank Douglas, Jr., B.S.	*Illinois*
Johnson, Elmer Theodore	*Minnesota*
Johnson, James Manuel	*Illinois*
Joss, Edward Francis, B.S.	*Illinois*
Just, Joseph Hynek, B.S.	*Illinois*
Kanter, Joseph	*Illinois*
Keren, Meyer Jacob	*Illinois*
Kesert, Benjamin Herman	*Illinois*
Kilgard, Frank Milton	*Minnesota*
Kirchner, Herbert John, B.S.	*Illinois*
Kirshbaum, Jack D.	*Illinois*
Knudson, William Howard, B.S.	*Illinois*
Koestner, Paul Andrew	*Illinois*
Kopple, Louis Abraham	*Iowa*
Kramer, Willard Edwin	*Pennsylvania*
Larson, John A.	*Illinois*
Lauer, Calvin Albert	*Illinois*
Levin, Herman, B.S.	*Illinois*
LeVine, Howard Jack, B.S.	*Illinois*
Levitt, Louis Leo, B.S.	*Illinois*
Libman, Minna, A.B., B.S.	*Illinois*
McCrackin, Robert Hanawalt, B.S.	*Illinois*
McPherson, Mahlon Daniel, B.A.	*California*
MacLeod, Sidney James	*Illinois*
Mallin, Isadore, B.S.	*Illinois*
Maniscalco, Frank John	*New York*
Martin, Cecil Lawrence	*Illinois*
Mastri, Aquil	*Illinois*
Merrill, LeVille Hendricks	*Utah*
Meyer, Hershel, B.S.	*Illinois*
Michael, Oscar James	*Illinois*
Mortimer, Harold Montgomery, B.S.	*Illinois*
Olin, Lester Cleo	*Illinois*

Orr, Eli Holmes	*Missouri*
Padnos, Emanuel, B.S.	*Illinois*
Pattengale, Nell Treva, B.S.	*Illinois*
Pearlman, Ben	*Illinois*
Pence, Dwight, B.S.	*Illinois*
Petri, Kenneth Norman, B.S.	*Illinois*
Powell, Barton Jerome	*California*
Pritchett, Everett Howard, B.S.	*Illinois*
Prohovnik, Julius	*Illinois*
Pugh, Cloyd, B.S.	*Illinois*
Ray, Glenn Raymond, B.S.	*Illinois*
Reich, Walter Jacob, B.S.	*Illinois*
Reichman, Martin Abraham	*Illinois*
Reisch, Jacob Edgar, B.S.	*Illinois*
Richburg, Louis Allan, B.S.	*Illinois*
Richburg, W. Edwin, B.S.	*Illinois*
Ritchie, Cyril Brown, B.S.	*Idaho*
Ritter, Vern William, B.S.	*Illinois*
Ruggiero, John Bartholomew	*New York*
Schatz, George	*North Dakota*
Schorr, Arthur Melville, B.S.	*Illinois*
Schowengerdt, William Henry	*Illinois*
Scuderi, Carlo Salvadore, B.S.	*Illinois*
Sellers, Galen Krauth	*Minnesota*
Shapiro, Isadore M., B.S.	*Illinois*
Simmons, Daniel Andersen, B.S.	*Illinois*
Smith, Carey M.	*Illinois*
Sodaro, Nicholas Ernest	*Illinois*
Spelman, Arch E., B.S.	*Illinois*
Steinkopff, Edward Karl	*Illinois*
Stephens, Harry Hart, B.S.	*Illinois*
Stilwell, Leland Manford Thomas, B.S.	*Illinois*
Summers, Charles Raymond, B.S.	*Colorado*
Summerville, Milton Joseph	*Kentucky*
Swenson, Henning Melville, B.S.	*Illinois*
Vacin, Milo Edward	*Illinois*
Walsh, James Stewart	*Colorado*
Webb, Arthur Sterling	*Missouri*
Weidner, Morris Robert, Jr.	*Illinois*
Weinstein, Sol Morton, B.S.	*Illinois*
Weir, Edgar Wilkin	*Illinois*
Wetzel, James Walker	*Illinois*
Wheeler, Robert Murray	*Wisconsin*
Whittaker, Lawrence Forrest, B.S.	*Illinois*
Willis, Lyle Joseph, B.S.	*Illinois*
Wilson, Ona Verne	*Illinois*
Wing, Herbert John	*Illinois*
Zuker, Samuel	*Ohio*

SECOND YEAR CLASS, 1926-27

Abrams, Irving, B.S.	*Illinois*
Afremow, Melvin Louis, B.S.	*Illinois*
Alcorn, Marshall Wells	*Illinois*
Altman, James Sloan, B.S.	*Illinois*
Anderson, Dwight W.	*Illinois*
Austin, Amon	*British Guina, S.A.*
Balding, Laurence Grant, B.S.	*Illinois*
Bellows, John Goldfreed, B.S.	*Illinois*
Blanck, Earl Elmer, B.S.	*Illinois*
Boren, Ralph Clinton, B.S.	*Illinois*
Boswell, Clay Stephen, B.S.	*Illinois*
Brooks, Roosevelt	*Illinois*
Brown, Alexander	*Illinois*
Browning, Levi Martin	*Illinois*
Burns, Robert Joseph, B.S.	*Illinois*
Clark, Carl Edward, B.S.	*Illinois*
Cline, Frances A.	*Illinois*
Drew, Francis Emmons, B.S.	*Illinois*
Feinstein, Morris, B.S.	*Illinois*
Ferrias, Irving Benwith, B.S.	*Illinois*
Finklestein, Philmour, B.S.	*Illinois*
Forkosh, Sydney Richard, B.S.	*Illinois*
Freiman, Alexander, B.S.	*Roumania*
Garrett, Roy Preston	*Illinois*
Giltner, Otis Beryl, B.S.	*Illinois*
Gogol, Louis, B.S.	*Illinois*
Gorden, Noel Eugene, B.S.	*Illinois*
Gray, John Wilson, B.S.	*Illinois*
Haffron, Daniel, B.S.	*Illinois*
Handtmann, John J.	*Illinois*
Herstein, David	*Illinois*
Hill, Elizabeth Webb, A.B., B.S.	*Illinois*
Klein, Otto Gustav, B.S.	*Illinois*
Klomhaus, Alfred Paul	*Illinois*
Koff, Salmon Abraham	*Illinois*
Kompare, Louis	*Illinois*
Kunstadter, Ralph Hess, B.S.	*Illinois*
Laube, Gustav Richard	*Illinois*
Lavieri, Frank Joseph	*Illinois*
Learner, Aaron, B.S.	*Illinois*
Levine, Samuel	*Illinois*
Lidovsky, Rebecca, B.S.	*Riga*
Litwack, Isadore Dave, B.S.	*Illinois*
Lobraico, Adelina Florence	*Illinois*
Lucius, Naomi Therese	*Missouri*
McGinnis, George Cletis	*Illinois*
McLaughlin, Alan F., B.S.	*Illinois*

McNulty, Edward Joseph	*Illinois*
Mansowitz, David	*Illinois*
Mathis, Alvin Leroy	*Illinois*
Mathis, John Archibald, B.S.	*Illinois*
Melnick, Perry Julius, B.S.	*Illinois*
Mershon, Donald Glenn	*Illinois*
Meyer, George	*Illinois*
Miller, Alfred Frederick, B.S.	*Illinois*
Miller, Maurice	*Illinois*
Moore, Laurence Moses	*Illinois*
Murphy, Waldo Evans	*Illinois*
Nagel, Frank Emil, Jr.	*Illinois*
Nash, Justin Russell	*Illinois*
Neal, Lovell Arthur, B.S.	*Illinois*
Nelson, Roland Clifford, B.S.	*Illinois*
Nowak, J. M.	*Illinois*
Noyes, Harold Judd	*Illinois*
O'Donnell, Frederick Dennis	*Illinois*
Ogle, Dan Clark, B.S.	*Illinois*
Oliver, Irwin Lovette	*Minnesota*
O'Neill, Clement Paul, B.S.	*Illinois*
Ostrofsky, Peter	*Illinois*
Ostrom, Meredith Louis, B.S.	*Illinois*
Paxton, Lester Robert	*Michigan*
Petrik, Albert Charles, B.S.	*Illinois*
Potter, Charles C.	*Illinois*
Ramenofsky, Abraham Isadore	*Illinois*
Rasmussen, Hugh Alexis	*Illinois*
Reagan, Robert Earl	*Texas*
Reingold, Joseph Cyrus, B.S., with honors	*Illinois*
Roberson, Brooks Leek	*Illinois*
Roberts, Gilbert Jay, A.B., B.S.	*Illinois*
Roth, Harold Alan, B.S.	*Illinois*
Russo, Carmen Francis, B.S.	*Illinois*
Sabin, Allen Luciem	*Illinois*
Schiller, Maurice, B.S.	*Illinois*
Schorr, Hyman	*Illinois*
Schreiber, Sidney	*Illinois*
Seid, Benjamin, B.S.	*Illinois*
Shafton, Arthur Louis, B.A., B.S.	*Illinois*
Shellow, Harold, B.S.	*Illinois*
Shapiro, Fred	*California*
Sherrard, Charles Francis	*Illinois*
Shuger, Harry	*Illinois*
Silverman, Harold Edward	*Illinois*
Simon, David Charles, B.S.	*Illinois*
Smith, Charles Otis	*Illinois*
Smith, Kenneth John, B.S.	*Illinois*

Smith, Robert Harlie, B.S.	*Illinois*
Sokolowski, Felix Walter	*Illinois*
Solomon, Sam, B.S.	*Illinois*
Staley, Percy Alfred	*Missouri*
Starcevich, Paul Joseph	*Illinois*
Stearns, Alexander Louis	*Illinois*
Stone, Fred, B.S.	*Illinois*
Stuart, Carroll W., D.D.S., B.S.	*Iowa*
Stuttle, Fred Louis, B.S.	*Illinois*
Sweet, Samuel, B.S.	*Illinois*
Tait, Arthur Alfred, A.B., B.S.	*Illinois*
Tobin, Walter William, B.S.	*Illinois*
Toman, Andrew John, B.S.	*Illinois*
Twitchell, Benjamin Edward, A.B., B.S.	*Illinois*
Twitchell, Standle Irving	*Illinois*
Vinnedge, Kenneth Houston	*Illinois*
Washburne, Annette	*Illinois*
Wien, Norman, B.S.	*Illinois*
Weiss, George Seymour	*Illinois*
Wolf, Henry, B.S.	*Illinois*
Wollgast, George Frederick	*Illinois*
Woodford, Lester Melvin, B.S.	*California*
Yonan, Marshall E.	*Illinois*
Young, Louis Clide	*Illinois*

FIRST YEAR CLASS, 1926-27

Abbott, Orville L.	*Illinois*
Abrams, Harry	*Illinois*
Allison, Howard Robert	*Illinois*
Banen, David Merton	*Illinois*
Bartusch, Walter Earl	*Illinois*
Best, Albert Alan	*Illinois*
Blitstein, Jacob Eugene	*Illinois*
Brinley, Paul Verco	*Illinois*
Brown, Martin Van	*Illinois*
Buky, Fannie R.	*Illinois*
Butler, Elbert William	*Illinois*
Clark, Alvin Howard	*Illinois*
Clotfelter, David W.	*Illinois*
Cohen, David	*Illinois*
Culberg, Maurice Edward	*Illinois*
Cundiff, Ralph Bolles	*Illinois*
Donegan, Robert McKenzie	*Illinois*
Dreyer, Irving	*Illinois*
Dyko, William Edward	*Illinois*
Eggers, Henry Wm.	*Illinois*
Eisenberger, Benjamin	*Indiana*
Eisenstein, Milton Wm.	*Illinois*

Epstein, Nathan	*Illinois*
Falstein, Eugene Isadore	*Illinois*
Felchner, Armond Gilford	*Illinois*
Finder, Jerome Gordon	*Illinois*
Finkelstein, Charles	*Illinois*
Francona, Nicholas	*Illinois*
Frazin, Bernard	*Illinois*
Gamburg, Leo	*Illinois*
Gay, Elmer Deloss	*Illinois*
Geymer, George Cullom	*Illinois*
Gibson, William Donald	*Illinois*
Gier, Jacob B.	*Tennessee*
Glass, Wm. Everett	*Illinois*
Glenner, Robert Joseph	*Illinois*
Glover, Harry Lawrence	*Illinois*
Golden, David J.	*Illinois*
Goodman, Ephraim	*Illinois*
Graham, James Edward	*Illinois*
Greenstein, Harry	*Illinois*
Griffith, Muriel Enid	*Illinois*
Harris, Freeman Curtis	*Illinois*
Harrison, Rollie Melville	*Wisconsin*
Hemphill, Robert Begg	*Illinois*
Hick, Ford Kimmel	*Illinois*
Hoffstadter, William	*Illinois*
Hoover, Harold Mark	*Illinois*
Horwitz, Bernard	*Illinois*
Hughes, Marc Jacob	*Illinois*
Ingrish, George Albert	*Illinois*
Jamison, Dan De Witt	*Illinois*
Janofsky, Joseph	*Illinois*
Jenkins, Albert H.	*Illinois*
Johnson, Esther Concordia	*Illinois*
Johnston, Kenneth P.	*Illinois*
Josephson, Harry	*Illinois*
Kahn, Abraham Benjamin	*Illinois*
Kaiserman, Frank	*Illinois*
Karl, Nehemiah Charles	*Illinois*
Kempa, Theophile Albert	*Illinois*
Kinney, Elmer Platte	*Illinois*
Koczy, Semen	*Illinois*
Koenigsberg, Noah	*Illinois*
Korshak, Maurice	*Illinois*
Kraines, Samuel Henry	*Illinois*
Lamb, Bernard	*Illinois*
Lavezzorio, Leonard Michael	*Illinois*
Leader, Leonard Owen	*Illinois*
Limarzi, Louis Robert	*Illinois*
Lipchitz, Morris Jack	*Illinois*

Long, Hugo	*Illinois*
Lundstrom, Julia Margaret	*Illinois*
Lustgarten, Earl Matthew	*Illinois*
McCarthy, Francis William	*Illinois*
McMillan, Robert Glen	*Illinois*
Mesirow, Sidney	*Illinois*
Metzel, Charles Himes	*Oklahoma*
Mickow, Albert	*Illinois*
Miller, William Edward	*Illinois*
Moloney, Maurice Eugene	*Illinois*
Moreland, James Wilber	*North Dakota*
Murphy, Lawrence Joseph	*Illinois*
Nielsen, Peter Marinus	*Illinois*
Olson, Selma Marie	*Illinois*
Ossman, Julian Anthony	*Illinois*
Pava, Charles	*Illinois*
Phillips, Louis	*Illinois*
Piszkiewicz, Frank Joseph	*Illinois*
Rice, Alfred George	*Illinois*
Rife, Dwight William	*Illinois*
Riser, Roy Otis	*Illinois*
Ritholz, Sophie	*Illinois*
Robbin, Nahum L.	*Illinois*
Rodgers, James J.	*Illinois*
Rodin, Robert	*Illinois*
Sacks, Herbert	*Illinois*
Salerno, Marie	*Illinois*
Salkin, Sidney	*Illinois*
Sanovic, John V.	*Illinois*
Schindler, John A.	*Illinois*
Seifert, Martin Henry	*Illinois*
Seymour, Guy Emil	*Illinois*
Shabat, Louis Willard	*Illinois*
Shapiro, Samuel	*Illinois*
Shropshear, George	*Illinois*
Shuger, Michael Hershel	*Illinois*
Siegal, Henry Abraham	*Illinois*
Siegel, Isadore	*Illinois*
Simon, Abraham	*Illinois*
Singer, Charlotte H.	*Illinois*
Singer, Jacob David	*Illinois*
Singer, Solomon	*Illinois*
Skorodin, Bernard	*Illinois*
Smith, William Roan	*Illinois*
Steigmann, Frederick	*Illinois*
Steinberg, D. Louis	*Illinois*
Stevens, John Wayne	*Illinois*
Stickley, William Thomas	*Michigan*
Sullivan, Clifford Patrick	*Illinois*

Thorek, Philip	*Illinois*
Twohey, Francis James P.	*Illinois*
Van Dyke, Paul Beery	*Illinois*
Varzino, Louis Stephen	*Indiana*
Vernon, George Heywood, Jr.	*Illinois*
Weinberg, Charles Morse	*Illinois*
Weininger, Benjamin Ide	*Illinois*
Whalen, Charles Peter	*Illinois*
Wiggins, Harry Frank	*Illinois*
Wolinsky, Irving	*Illinois*
Wynekoop, Waldo Waite	*Illinois*
Zajdzinski, Sigmund Vincent	*Illinois*
Zalar, Joseph Alfonso	*Illinois*
Zerulnick, Max	*Illinois*

UNIVERSITY OF ILLINOIS
THE GRADUATE SCHOOL

Graduate Courses in Medicine

Departments of

Anatomy; Dermatology; Laryngology, Rhinology and
Otology; Medicine, Pediatrics and Bio-Physics;
Obstetrics and Gynecology; Ophthalmology;
Pathology and Bacteriology; Pharmacology;
Physiology and Physiological
Chemistry; Surgery.

Announcement for
Summer Quarter of 1927, June 9-September 1
and Session of 1927-28
1927

THE GRADUATE SCHOOL

THE EXECUTIVE FACULTY[1]

David Kinley, Ph.D., LL.D., President of the University

Arthur Hill Daniels, Ph.D., *Professor of Philosophy and Dean of Graduate School*
Roger Adams, Ph.D., *Professor of Organic Chemistry*
Ernest Bernbaum, Ph.D., *Professor of English*
William Leonidas Burlison, Ph.D., *Professor of Crop Production*
Edward Herbert Cameron, Ph.D., *Professor of Educational Psychology*
Herbert Fisher Moore, M.M.E., D.Sc., *Research Professor of Engineering Materials*
Rexford Newcomb, A.M., M.Arch., A.I.A., *Professor of the History of Architecture*
William Spence Robertson, Ph.D., *Professor of History*
Henry Perly Rusk, M.S., *Professor of Beef Cattle Husbandry*
Fred Wilbur Tanner, Ph.D., *Associate Professor of Bacteriology*
Edgar Jerome Townsend, Ph.D., LL.D., *Professor of Mathematics*
Henry Baldwin Ward, Ph.D., D.Sc., *Professor of Zoology*
Arthur Cutts Willard, B.S., *Professor of Heating and Ventilation*
George Philip Tuttle, Jr., B.S., *Registrar and Secretary of the Executive Faculty*

STANDING COMMITTEE ON GRADUATE WORK IN MEDICINE AND DENTISTRY

David John Davis, Ph.D., M.D., *Chairman*
Frederick Bogue Noyes, B.S., D.D.S., D.Sc.
Hugh Alister McGuigan, Ph.D., M.D.
Carl Arthur Hedbloom, M.D., Ph.D.
William Henry Welker, Ph.D., *Secretary*

THE TEACHING FACULTY[2]

1927-28

David John Davis, Ph.D., M.D., *Professor and Head of the Department of Pathology and Director of Graduate Work in Medicine*
Hugh Alister McGuigan, Ph.D., M.D., *Professor and Head of the Department of Pharmacology, Materia Medica, and Therapeutics*
William Henry Welker, Ph.D., *Professor of Physiological Chemistry*
Victor Emanuel Emmel, Ph.D., *Professor of Anatomy*
William F. Petersen, M.D., *Associate Professor of Pathology*
Otto Frederick Kampmeier, Ph.D., M.D., *Associate Professor of Anatomy*
Richard Hermann Jaffe, M.D., *Associate Professor of Pathology and Bacteriology*
Olaf Bergeim, Ph.D., *Assistant Professor of Physiological Chemistry*

The administration of the Graduate School is conducted by the Executive Faculty, appointed from year to year by the President on nomination of various departments and recommendations of the Dean of the Graduate School.

[2] The Teaching Faculty includes all those who at any time give courses of strictly graduate character. Such courses are accepted for major credit and are numbered one hundred and upwards. For the present such courses are offered by the above faculty.

Charles Spencer Williamson, M.D., *Professor of Medicine and Head of Department*

Norval Pierce, M.D., *Professor of Laryngology, Rhinology and Otology and Head of Department*

Julius Hayes Hess, M.D., *Professor of Pediatrics*

Herman Morris Adler, M.D., *Professor of Criminology and Head of Department of Social Hygiene, Criminology and Medical Jurisprudence*

Frances Eugene Senear, M.D., *Professor of Dermatology and Head of Department*

Carl Arthur Hedblom, M.D., Ph.D., *Professor of Surgery and Head of Department*

Albert Bachem, Ph.D., *Professor of Bio-Physics*

Lloyd Arnold, M.D., *Associate Professor of Bacteriology and Preventive Medicine*

Edward Allen Boyden, Ph.D., *Associate Professor of Anatomy*

Robert M. Oslund, Ph.D., *Assistant Professor of Physiology*

GRADUATE WORK IN MEDICINE

ADMISSION

Admission to the Graduate School may be granted to graduates of institutions whose requirements for the bachelor's degree are substantially equivalent to those of the University of Illinois, and to applicants from other institutions approved by the Executive Faculty, as hereinafter provided. *Admission to the Graduate School does not, however, imply admission to candidacy for an advanced degree, and gives no right or claim to be so admitted. Such candidacy is determined by the faculty after the student has demonstrated by his work here, for from two to five months, that he has ability to do major work of graduate character. A mere accumulation of "credits" or "grades" is not sufficient.*

Admission to graduate courses may be granted only to those who have had the requisite undergraduate work in those courses or departments. But a student of mature age who satisfies the Director and the department concerned of his ability to pursue graduate work in a given line may be enrolled in particular graduate courses, without reference to a degree, and permitted to carry on such study or investigation under the direction of a department of the University as the department shall recommend and the Dean approve.

Application blanks for admission may be secured from the Secretary of the Committee on Graduate Work in Medicine. Every applicant must submit with his application for admission an official transcript of his college record.

REGISTRATION AND PROGRAM OF STUDY

The following regulations concerning registration and program of studies are laid out primarily for first-year students. Second-year and third-year graduate students fill out their programs irrespective of the unit value of courses, according to their needs, under the advice of their instructors.

Registration.—Each graduate student must register at the beginning of each semester.

The registration of a new student may be accepted at any time provided the student is prepared to take up courses actually under way. Credit towards the fulfillment of the residence requirement dates, however, from the time of registration and not from the beginning of the semester or year in which the student enters. Registration will not be permitted later in the year than April 1, except in the case of students who expect to continue through the summer session, or are returning to complete a year's work which has been interrupted by unavoidable circumstances.

The first registration, or that on entrance, is permitted only after the student's application for admission to the Graduate School, setting forth his educational attainments, has been duly approved.

Seniors and Graduate Study.—If at the beginning of the second semester of his senior year a student, who has been in residence at least one year, is within five hours of a bachelor's degree, he may be permitted to register for courses which may count for residence for a master's degree; provided his program does not require more than twelve formal class, lecture, or laboratory exercises a week, and is approved by the Dean at the time of registration.

Failures.—A graduate student who fails in any course in his major subject cannot secure his degree in the same year in which the failure occurred. No condition examinations are given graduate students.

Students on the Staff.—Assistants and others on the University staff who undertake to do graduate work are permitted to take an amount of work determined by the terms of their employment. Such a student, if required by his engagements to teach more than five classes a week or to have laboratory work or supervision exceeding ten hours a week, may not receive his master's degree at the end of one year, nor his doctor's degree at the end of three.

Residence and Work Done Elsewhere.—Continuous residence and study are required of all members of the Graduate School, unless they are granted leave of absence by the Director, upon recommendation of the professor in charge of their work, for the purpose of carrying on elsewhere studies or investigation in the line of work for their degrees.

Members of the staff who have done graduate work in approved institutions elsewhere may secure credit not to exceed four units towards the master's degree by passing examinations in that work. They may complete the work for the degree by securing at least four units more while registered in the Graduate School for not less than one academic year.

Withdrawal.—If after registration a graduate student wishes to withdraw from any course or to add other work, he must first secure the necessary papers from the Director's office. If he wishes to withdraw from the University he must get clearance papers at the Director's office.

DEGREES

The Degree of Master of Science

Character of Master's Degree.—The master's degree conferred depends upon the character of the bachelor's degree. The usual practice is that A.M. shall follow A.B., and that M.S., shall follow B.S. However, this practice may be departed from in cases where the undergraduate course of study was of a kind for which some reputable institutions in this country give A.B., while others give B.S.

Amount of Work Required.—Candidates for the degree of Master of Arts or Master of Science are required to do at least one full year's work in residence, including a thesis. By this is meant from four to five unit courses each semester, or their equivalent. A unit course is one which requires ten hours of time a week through one semester, or fifteen hours of time a week through the summer quarter of twelve weeks, irrespective of the mode of distribution of that time in class work, laboratory work, and private study. Four such courses or their equivalent constitute a full *minimum* program for one semester, and eight such courses, or their equivalent, constitute the *minimum formal* year's work accepted for a master's degree. Only first-rate students are permitted to secure a degree with this minimum program.

Unless otherwise permitted, every student must take each semester at least one course open to graduate students only (courses numbered 100 and upwards).

In the first year of his graduate study each student is required to attend a minimum of four formal class, lecture, or laboratory exercises a week. In no case is he permitted during his course to attend more than twelve a week, without permission.

Grades.—Students' work is graded in five classes, A, B, C, D, and E. The last indicates a failure. D indicates unsatisfactory, though passable, work.

A student who receives two units of a grade below B during his first year of graduate work may not complete the first year of residence by carrying the minimum program of eight units for the master's degree. Three units of a grade below B disqualify a student as a candidate for a degree.

A failure or absence from examination in any course may prevent the conferring of the degree; and, as already indicated, failure in any course in the major field precludes the conferring of the degree in the same year.

Majors and Minors.—A candidate for a master's degree may do all his work in one subject, or he may select a major and one minor, or a major and two minors. A major or minor denotes the field of knowledge of a department, or such part thereof as constitutes a separate and independent division of that field. For a master's degree a major is at least half the work, or a minimum of four units, for one year. Less than one unit may not be counted as satisfying the requirements of a minor without the approval of the department concerned.

Foreign Language.—The ability to use one or more of the modern languages ordinarily studied in the undergraduate curriculum is expected of all candidates for the master's degree, and in some lines of study is required. On this matter students should consult the heads of the departments in which their major subjects lie.

Master's Thesis.—Each candidate for a master's degree is required to present a thesis on some subject approved by the professor in charge of his major work and the Executive Faculty of the Graduate School. Such approval, except in the case of students working for master's degrees in summer sessions only, must be secured not later than the end of the sixth week of the year of residence. The requirement of a thesis may be waived, however, upon the recommendation of the head of the department in which the student is doing his major work and the approval of the Director, provided application to waive the thesis is made at the time for announcing thesis subjects. A student excused from writing a thesis must replace it with additional courses of instruction.

No one will be excused from writing a thesis unless one-half of his program of studies consists of courses numbered 100 and upwards.

The thesis required from a candidate for a master's degree ordinarily will demand one-fourth of the student's time and may not exceed one-third of it. The thesis must be typewritten, on "thesis-paper,"[1] and the title page must be printed. The thesis in its final form, together with a certificate of approval by the proper officer, must be sent by the professor in charge to the Dean's office at least two weeks before the date on which the degree is to be conferred. No article prepared for another use, or previously published, will be accepted as a thesis.

Under proper conditions a student may be permitted to complete the last fourth of his work, if devoted to his thesis, under leave of absence for a period not to exceed the equivalent of two semesters. To get such permission the student must have secured proper credit for at least six units; must petition for the privilege; must submit to the Dean an outline of the proposed investigation, approved by the head of his major department; and must submit satisfactory evidence that adequate facilities are available to him at the place where he intends to do the proposed work. Approval on all these points must be obtained one collegiate year before the thesis is due. Immediately following approval the student must register and pay an incidental fee of $20.00.

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[1] No other will be accepted by the Dean. "Instructions for the Preparation of Theses" may be obtained at the Secretary's Office, Room 309, Research Laboratory and Library Building.

Applications for Degrees.—Each candidate for the degree of Master of Arts or Master of Science shall file an application for the degree on a blank provided for the purpose, to be had at the Dean's office. For the dates of applications and of deposition of theses, consult the calendar at the beginning of the bulletin.

The Degree of Doctor of Philosophy

Major and Minor Subjects.—A member of the Graduate School who desires to become a candidate for the degree of Doctor of Philosophy is required to pursue a major subject in the department in which his research lies. He is also required to choose one minor subject, or he may choose two. If one minor only is chosen it must be taken in a department of study other than that of the major, and credit for it may be earned by work representing not less than four units, or one-sixth of the total residence required for the doctorate. If two minors are chosen, one must be a subject closely related to the major. With the approval of the adviser it may be a division of the major field of study. If the second minor is outside the department of major study, it may be satisfied by work representing not less than two units or one-fourth of a year of residence.

Except by special permission of the Dean the preliminary examination in major and minor subjects may not be taken until the minor work has been done.

Method of Computing Residence.—Credit for a full year of graduate work means that the student has during that time devoted all his working time and energy to study of a graduate grade. After the first year of residence credit is not recorded in units, and there is no fixed correspondence between credit and course as in undergraduate work. Thus it is possible for a second-year student to devote all his time to one course and his research; and for a third-year student to devote all his time to his research work alone.

Period of Study.—The *minimum* period of study required for securing the degree of Doctor of Philosophy is three years, during which the student is required to devote all his working time to his studies. All three years must be spent in residence at some accredited educational institution, and either the first two or the last one of the three must be spent at the University of Illinois. The degree is conferred, however, not for residence during a certain period, but for scholarly attainments and power of investigation, as proved by thesis and examinations.

Work Done in Other Universities.—Credit for graduate work done in other universities is not "transferred." However, it may be accepted on examination as equivalent to resident work at the University of Illinois, provided the institution in which it was done is of high standing.

EXAMINATIONS

Preliminary.—A. In major and minors.—Toward the end of his second year of study, or by special permission, at the beginning of his third year, the candidate for the degree must submit to a preliminary examination, in order to determine whether he will be accepted as a candidate for the degree in the following year. This examination is intended to test the student's knowledge of the fields of his major and minor subjects of study only. It is partly oral, and may be wholly so.

The student will not be admitted to his preliminary examination until the faculty is satisfied that he has finished substantially the equivalent of two years' graduate work. He must do a full year's graduate work between his preliminary examination and the completion of his work for the doctorate.

B. In Languages.—The candidate will be required to demonstrate his ability to read French and German and other languages needed in his work. This test of proficiency in the use of French and German must be passed before the student is admitted to the preliminary examination in major and minor subjects.

Final Examination.—At least two weeks before the time when the degree is conferred, the candidate must submit to a final examination, given by a committee appointed by the Dean. This examination is primarily on the research work of the student, as embodied in his thesis, but is not confined to that. It extends to the whole field of study of the candidate. It will not be confined to the courses which the candidate has attended in the University of Illinois only, if he has done part of the work elsewhere; nor even to the field covered by the courses, specifically taken in this or other universities; but will be so conducted as to determine whether the candidate has a satisfactory grasp of his major subject as a whole, and a general acquaintance with the fields of knowledge represented by his course of study.

The final examination may not be divided. The examination must be taken all at one time tho it requires several sessions.

If after having passed his preliminary examination, he fails in the third year of his study to meet the expectations of the professors in charge of his work, or in any way fails to maintain the standard of scholarship and power of research expected of him, he may be refused admission to the final examination.

Other Examinations.—Before the candidate is admitted to the final examination and the defense of his thesis, he may be required to take any other examination, oral or written, that is thought proper by the various departments in which he has studied.

The above examinations are in addition to those in the courses for which the student is registered. These must be taken at times for which they are set in the examination schedule.

Thesis.—The power of independent research must be shown by the production of a thesis on some topic connected with the major subject of study. The candidate is expected to defend his thesis or dissertation before the members of the faculty, or as many of them as may wish to question him about it, in connection with his final examination.

The subject of the thesis should be chosen not later than the end of the second year of residence and must be submitted for formal approval by the faculty not later than six weeks from the beginning of his third year of residence.

A typewritten copy of the complete thesis, *on thesis paper,*[1] and in final form must be deposited in the office of the Dean for presentation to the examining committee not later than two weeks prior to the final examination, and not less than four weeks before the time when the degree is conferred. At the same time, the candidate must deposit with the Dean a manuscript of the essential part, or an abstract, or a digest of his thesis, in condition for publication at a cost not to exceed seventy-five dollars ($75). The manuscript must be sufficient to show the method followed, the evidence used and the conclusions reached in the investigation, and must bear the approval of the department and the Executive Faculty of the Graduate School.

The candidate must pay to the Comptroller before graduation the sum of seventy-five dollars ($75) out of which the University will print at least one hundred copies of this manuscript for circulation by the University, unless the thesis entire or in abbreviated form is published by the author or is accepted for publication by a standard journal or publisher within a year from the date of graduation. In the latter event, and after one hundred copies have been presented to the University by the writer, the cash deposit shall be returned to him.

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[1] No other will be accepted by the Dean.

The typewritten and printed forms of the thesis must comply with the regulations given in "instructions for the preparation of masters' and doctors' theses," copies of which may be obtained at the Dean's office.

GRADUATE SCHOLARSHIPS AND FELLOWSHIPS

A number of scholarships and fellowships have been established by the Trustees of the University. To first-year graduate students of ability and promise there are open a number of scholarships with a stipend of $300 each and freedom from tuition, incidental and laboratory fees.[1] To second-year and third-year graduate students, that is, those who have had one or two years of graduate study, there are open fellowships with stipends of $400 and $500, with freedom from the above-mentioned fees. The larger stipends are given only to students who are expected to take their degrees within the year. Each holder of a fellowship or scholarship must pay the matriculation fee of ten dollars, unless he holds a first degree from the University of Illinois, and also the diploma fee of ten dollars on receiving his diploma.

Candidates for these scholarships and fellowships must be graduates of the University of Illinois or of colleges or universities having equivalent requirements for bachelors' degrees.

Application must be made on blanks to be obtained from the Dean of the Graduate School. These application forms should be sent to the Dean of the Graduate School as early as possible in February of the academic year preceding that for which the fellowship is desired. No application will be considered if received later than March first, until after April fifteenth, the date when appointees from the first list of applicants must accept or refuse their appointments.

Persons appointed are notified on April first and must send the Secretary of the Board of Trustees notice of their acceptance or refusal by April fifteenth and must agree that, if accepted, the appointment will not be resigned to take a similar one in any other institution during the year for which it is awarded.

Nominations to fellowships are made on the grounds of worthiness of character, scholastic attainments, and promise of success in the principal line of study or research to which the candidate proposes to devote himself. Scholarships and fellowships are not given to candidates who are over thirty years of age at the time when the appointment is to be made.

An appointment as honorary fellow, without stipend, may be made as specified for paid fellowships in the case of one who has shown distinguished merit in his work.

Fees and Expenses.—Except as noted below, graduate students in medicine pay fees as follows:

Matriculation fee	$10.00
Incidental fee (summer quarter)	20.00
Students not residents of Illinois pay an incidental fee of	30.00
Incidental fee (semester)	25.00
Students not residents of Illinois pay each semester an incidental fee of	37.50
Laboratory deposit (each quarter or semester)	15.00
Diploma fee	10.00

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[1] Up to a certain amount.

All graduate students who have not matriculated as undergraduates at the University of Illinois pay the matriculation fee on entrance.

All graduate students pay the diploma fee on being recommended for their degrees.

No tuition or incidental fee is charged for graduate courses to members of the corps of instruction, or of the staffs of the scientific bureaus or experiment stations who are appointed by the Board of Trustees, nor for undergraduate courses on their study-lists if approved by the heads of the departments and by the Dean of the School as necessary or desirable for the proper completion of the work for the degree.

Each student working in laboratories is required to make a deposit of fifteen dollars to pay for chemicals and apparatus used and for any breakage or damage. No charge or deposits for laboratory materials are required from members of the corps of instruction or the scientific staffs mentioned above.

LIBRARY

Adequate library facilities are essential to the prosecution of graduate work and research. In the library of the College of Medicine may be found files of journals, monographs, separates, and standard texts supplying nearly every need.

A list of files of journals appears on pages 102-109.

DEPARTMENTS OF INSTRUCTION

ANATOMY

101. Histogenesis and Experimental Morphology.—Cytological and morphological changes in the organism which are directly correlated with normal processes, such as reproduction, differentiation, nutrition, growth, variation, regulation, regeneration, activity, secretion, rest, fatigue, senility.—*One or two units.*
Professor EMMEL, Associate Professor KAMPMEIER and Associate Professor BOYDEN

103. Individual Research and Embryology and Histogenesis.—*One or two units.*
Professor EMMEL, Associate Professor KAMPMEIER and Associate Professor BOYDEN

DERMATOLOGY

101. Research work in Dermatology.—*One to three units.* Professor SENEAR

LARYNGOLOGY, RHINOLOGY AND OTOLOGY

101. Research work in Laryngology, Rhinology and Otology.—*One to three units.* Professor PIERCE

MEDICINE, PEDIATRICS AND BIO-PHYSICS

101. Research work in Medicine.—*One to three units.* Professor WILLIAMSON

101. Research work in Pediatrics.—*One to three units.* Professor HESS

101. Research work in Bio-Physics.—*One to three units.* Professor BACHEM

OBSTETRICS AND GYNECOLOGY

101. Research work in Obstetrics and Gynecology.—*One to three units.*
Professor FALLS

OPHTHALMOLOGY

101. Research work in Ophthalmology.—*One to three units.*

PATHOLOGY AND BACTERIOLOGY

101. Advanced Pathogenesis.—Etiology and pathogenesis of certain diseases with especial consideration of the role that the lower animals play in the transmission of human disease. Lectures, conferences, demonstrations, assigned readings.—*One or two units.*

Professor DAVIS, Professor PETERSEN, Associate Professor JAFFEE, and Associate Professor ARNOLD

103. Individual Research Course.—*One to two units.*

Professor DAVIS, Professor PETERSEN, Associate Professor JAFFEE, and Associate Professor ARNOLD

PHARMACOLOGY

101. Advanced Pharmacodynamics.—Laboratory work.—*One or two units.*
Professor McGuigan

103. Research Work in Pharmacodynamics.—*One or two units.*
Professor McGuigan

PHYSIOLOGY AND PHYSIOLOGICAL CHEMISTRY

101. Advanced Biological Chemistry.—Biochemical methods of research, biological colloids, enzyme action, and metabolism.—*One or two units.*
Professor Welker and Assistant Professor Bergeim

103. Biochemical Research.—*One or two units.*
Professor Welker and Assistant Professor Bergeim

105. Advanced Physiology.—An introduction to original work in Experimental Physiology. Individual instruction in fundamental methods. Laboratory course. —*One or two units.* Assistant Professor Oslund

109. Research Work in Physiology.—*One or two units.*
Assistant Professor Oslund

SURGERY

101. Research Work in Surgery.—*One to three units.* Professor Hedblom

JUVENILE BEHAVIOR

101. Research Work in Juvenile Behavior.—*One to three units.*
Professor Adler

REGISTER OF STUDENTS

GRADUATE SCHOOL

1926-1927

SUMMER QUARTER—1926

Aaronson, Abraham Louis—Physiological Chemistry. B.S., 1926. Chicago.

Berardi, James—Pharmacology. Ph.G., 1921; B.S., 1924. Chicago.

Birch, Carroll LaFleur—Medicine. B.S., 1920 (University of Pennsylvania); M.D., 1926. Baltimore, Md.

Bradel, Sigmund Francis—Metallurgy. B.Met. Eng., 1923 (Ohio State University). Chicago.

Bothman, Louis—Pharmacology. B.S., 1925 (University of Chicago); M.D., 1927 (Rush Medical College). Chicago.

Cahan, Meyer—Pharmacology. B.S., 1927. Chicago.

Camp, Walter John Richard—Pharmacology. B.S., 1919; M.S., 1920; M.D., 1923. Chicago.

Cohen, Seymour Jerome—Pharmacology. B.S., 1927; M.S., 1927 (University of Chicago); M.D., 1919 (Rush Medical College). Chicago.

Cole, Arthur Gideon—Physiological Chemistry. B.S., 1920 (University of Chicago). Chicago.

Heissig, Ida—Obstetrics. B.S., 1926. Chicago.

Kaplan, Bertha—Medicine. B.S., 1916; M.S., 1921 (University of Chicago). Chicago.

Kobak, Alfred Julian—Pathology. B.S., 1921; M.D., 1925. Chicago.

Kroeger, Hilda Hertha—Physiological Chemistry. B.S., 1924 (University of Arizona). Tucson, Ariz.

Lash, Abraham Fae—Bacteriology. B.S., 1919 (University of Chicago); M.D., 1921 (Rush Medical College). Chicago.

MacFate, Robert Preston—Physiological Chemistry. Ch.E., 1925. (Lehigh University). Chicago.

Ogle, Dan Clark—Anatomy. Keithsburg, Ill.

Schour, Isaac—Oral Surgery. B.S., 1921 (University of Chicago); D.D.S., 1924. Chicago.

Streicher, Michael Henry—Medicine. B.S., 1922; M.S., 1925; M.D., 1926. Chicago.

Stuart, Carroll, W.—Oral Pathology. D.D.S., 1912. Chicago.

Westlund, Ruth Elvira—Bacteriology. B.S., 1923 (University of Chicago). Chicago

SESSION 1926-27

Aaronson, Abraham Louis—Physiological Chemistry. B.S., 1926. Chicago.

Abraham, Samuel Victor—Bacteriology. A.B., 1923 (University of California). Chicago.

Armstrong, Ray Conway—Physiology. B.S., 1923; M.D., 1926, Carterville, Ill.

Bellows, John Goldfreed—Pathology. Chicago.

Birch, Carroll LaFleur—Medicine, B.S., 1920 (University of Pennsylvania); M.D., 1926. Baltimore, Md.

Blanck, Earl—Pathology. Chicago.
Blayney, James Roy—Orthodontia. D.D.S. 1913 (Northwestern University); B.S. (University of Chicago). Chicago.
Boor, Alden Kinney—Physiological Chemistry. B.S., 1914; M.S., 1923 (John B. Stetson University). Chicago.
Browne, William Harcourt—Obstetrics. B.S., 1919; M.D., 1921. Chicago.
Burns, Melton Burdett—Pathology. B.S., 1924. Salt Lake City, Utah.
Busby, John Ambros Clark—Obstetrics. B.S., 1915 (Grinnell College); M.D., 1921 (University of Nebraska). Chicago.
Cahan, Meyer—Pharmacology. B.S., 1927. Chicago.
Camp, Walter John Richard—Pharmacology. B.S., 1919; M.S., 1920; M.D., 1923. Chicago.
Canan, Mack Clelland—Pharmacology. B.S., 1924. Batchtown, Ill.
Cole, Arthur Gideon—Physiological Chemistry. B.S., 1920 (University of Chicago). Chicago.
Deuss, Hugo Otto—Medicine. B.S., 1922; M.D., 1925. Chicago.
Downs, William Benham—Orthodontia. D.D.S., 1926. Batavia, Ill.
Ets, Harold Morris—Pharmacology. B.S., 1920 (University of Rochester); M.S. 1923. Rochester, N. Y.
Gabby, Samuel Lee—Pharmacology. M.D., 1910. Elgin, Ill.
Giltner, Otis Benyl—Anatomy. Bradford, Ill.
Gray, John Wilson—Anatomy. Chicago.
Groot, James Tobias—Obstetrics. S.B., 1920 (University of Chicago); B.S., 1921; M.D., 1924. Chicago.
Inman, Richard Frank—Physiology. B.S., 1923; M.D., 1926. Chicago.
Jentzsch, Richard Alvin—Orthodontia. D.D.S., 1926. Oak Park, Ill.
Joannides, Minas—Surgery. M.D., 1921 (Washington University). Chicago.
Jodar, Emery Orville—Physiological Chemistry. B.S., 1925. Chicago.
Johnson, Clarence Albert—Physiological Chemistry. B.S., 1925. Waterford, Wis.
Kaplan, Bertha—Medicine, B.S., 1916; M.S., 1921 (University of Chicago). Chicago.
Kaplan, Samuel—Pathology. B.S., 1922; M.D., 1925. Chicago.
Kobak, Alfred Julian—Pathology. B.S., 1921; M.D., 1925. Chicago.
Kroeger, Hilda Hertha—Physiological Chemistry. B.S., 1924 (University of Arizona). Tucson, Ariz.
Kunstadter, Ralph Hess—Pediatrics. Homewood, Ill.
Lash, Abraham Fae—Obstetrics. B.S., 1919 (University of Chicago); M.D., 1921 (Rush Medical College). Chicago.
Lavieri, Frank Joseph—Medicine. Chicago.
Learner, Aaron—Medicine. Chicago.
Libman, Minna—Juvenile Behavior. A.B., 1924; B.S., 1926. Chicago.
Lobraico, Adelina Florence—Bacteriology. Chicago.
MacFate, Robert Preston—Physiological Chemistry. Ch.E., 1925 (Lehigh University). Chicago.
Melnick, Perry Julius—Bacteriology. Chicago.
Milles, George—Pathology. Ph.G., 1921; B.S., 1925. Chicago.
Mizuno, Shiro—Orthodontia. D.D.S., 1920 (Tokio Dental College); D.D.S., 1926 (Washington University). Japan.
Neal, Lovell Arthur—Anatomy. Bement, Ill.
Nishioka, Masahito—Oral Surgery. D.D.S., 1920 (University of Minnesota). Japan.

Orr, Eli Holmes—Physiological Chemistry. Chicago.
Ostrom, Meredith Louis—Bacteriology. Rock Island, Ill.
Richburg, Louis Allan—Anatomy. Centralia, Ill.
Schorr, Arthur—Pathology. B.S., 1925. Chicago.
Schorr, Hyman Joseph—Pathology. Chicago.
Seldom, Bryant—Medicine. B.S., 1924. Durand, Ill.
Shafton, Arthur Louis—Pathology. Chicago.
Smith, Charles Otis—Bacteriology. Concord, Ill.
Stilwell, Leland Manford Thomas—A.B., 1924; B.S., 1926. Chicago.
Streicher, Michael Henry—Medicine. B.S., 1922; M.S., 1925; M.D., 1926. Chicago.
Stuart, Carroll W.—Oral Pathology. D.D.S., 1912. Chicago.
Stuttle, Fred Louis—Pathology. Williamsville, Ill.
Twitchell, Benjamin Edward—Physiological Chemistry. A.B., 1925. Belleville, Ill.
Webb, Richard Lockwood—Anatomy. A.B., 1924; M.S., 1925. Farm City, Ill.
Westlund, Ruth Elvira—Bacteriology. B.S., 1923 (University of Chicago). Chicago.
Willis, Lyle Joseph—Anatomy. B.S., 1926. Chicago.

DEGREES CONFERRED

Degree of Master of Science

Conferred October 20, 1926

James Bernard Berardi, Ph.G., B.S.
Hilda Hertha Kroeger, B.S.

Conferred March 8, 1927

Mack Clelland Canan, B.S.

Conferred June 11, 1927

Carroll LeFleur Birch, B.S., M.D.
Meyer Harry Cahan, B.S.
Ruth Elvira Westlund, B.S.

Degree of Doctor of Philosophy

Conferred June 11, 1927

Walter John Richard Camp, B.S., M.S., M.D.

LIBRARY

The Library contains the chief standard text-books and works of reference, various monographs, collections of separates, and files of the best medical journals. By means of interlibrary loans practically any desired work may be obtained. The library will arrange for photostating, translating and abstracting when desired. The journals and the reference works, especially those which have proven useful in research have been moved to the Medical Research Laboratory and Library Building at 1817 West Polk St. The Library is open from 8:30 A.M. to 5 P.M. on all days except Sundays and legal holidays.

Journals and reference works may be taken for brief periods on application to the Librarian, provided there is no immediate demand for them in the building. The following is a list of the more important sets of periodicals in the library; those now being published are regularly received. Those marked (*) have complete or approximately complete files already on the shelves. Other files are being added as rapidly as possible:

*_Abstracts of Bacteriology_
*_Acta Ophthalmologica_
*_Acta Oto-laryngologica_
*_Acta Psychiatrica et Neurologica_
*_Acta Radiologica_
*_Acta Scholae Medicinalis Universitatis Imperialis Kiota_
*_Albany Medical Annals_
Alienist and Neurologist
American Anthropologist
*_American Dental Surgeon_
*_American Heart Journal_
*_American Journal of Anatomy_
*_American Journal of Diseases of Children_
*_American Journal of Electrotherapeutics and Radiology_
*_American Journal of Hygiene_
*_American Journal of Insanity_
*_American Journal of the Medical Science_
American Journal of Nursing
*_American Journal of Obstetrics and Diseases of Women and Children_
*_American Journal of Obstetrics and Gynecology_
*_American Journal of Ophthalmology_
*_American Journal of Orthopedic Surgery_
*_American Journal of Pathology_
*_American Journal of Physical Anthropology_
*_American Journal of Physical Therapy_
*_American Journal of Physiology_
*_American Journal of Psychiatry_—new series
*_American Journal of Public Health_
*_American Journal of Roentgenology_
American Journal of Surgery
*_American Journal of Syphilis_
*_American Journal of Tropical Diseases_
*_American Naturalist_
*_American Review of Tuberculosis_
*_Anatomical Record_
*_Anatomische Hefte_
*_Anatomischer Anzeiger_
*_Anatomischer Bericht_
*_Annales d'Anatomie Pathologique_
*_Annales de Chirurgie et Orthopedie_
*_Annales de Dermatologie et de Syphilographie_
*_Annales de Gynécologie et d'Obstétrique_
*_Annales d' Hygiene Publique_
*_Annales de l'Institut Pasteur_
*_Annals of Clinical Medicine_
*_Annals of Eugenics_
*_Annals of Medical History_
*_Annals of Opthalmology_
*_Annals of Otology, Rhinology and Laryngology_
*_Annals of Surgery_
*_Annals of Tropical Medicine and Parasitology_
*_L'Année Biologique_

Arbeiten aus dem anatomischen Institut, Tokio

**Arbeiten aus dem anatomische Institut der Universität zu Sendai*

**Arbeiten a.d. Gebiete d. pathologischen Anatomie u. Bacteriologie aus der pathologisch-anatomischen Institut zu Tübingen*

**Arbeiten aus dem Institut für Experimentelle Theropie und dem Georg Speyer-Hause zu Frankfurt a. m.*

**Arbeiten a.d. neurologisches Institut zu Wien*

Arbeiten des pharmakologischen Institutes zu Dorpat

**Arbeiten des pharmazeutischen Institutes der Universität Berlin*

**Archiv für Anatomie und Entwickelungsgeschichte*

**Archiv für Anatomie und Physiologie (Physiologische Abteilung)*

**Archiv für Anthropologie*

**Archiv für Augenheilkunde*

**Archiv für Dermatologie und Syphilis*

**Archiv für Entwickelungsmechanik der Organismen*

**Archiv für experimentelle Pathologie und Pharmakologie*

**Archiv für die gesammte Physiologie (Pflüger)*

**Archiv für Geschichte der Medizin*

**Archiv f.d. Geschichte d. Naturwissenschaften und d. Technik*

**Archiv für Gynaekologie*

**Archiv für Hygiene*

**Archiv für Kinderheilkunde*

**Archiv für klinische Chirurgie*

**Archiv für kriminal Anthropologie und Kriminalistik*

**Archiv für Laryngologie und Rhinologie*

**Archiv für mikroskopische Anatomie*

**Archiv für Mikroskopische Anatomie und Entwicklungsmechanik*

Archiv für Ohrenheilkunde

**Archiv für Ohren-Nasen-und-Kehlkopfheilkunde*

**Archiv für Ophthalmologie (Graefe)*

**Archiv für pathologische Anatomie und Physiologie (Virchow)*

**Archiv für Protistenkunde*

**Archiv für Psychiatrie und Nervenkrankheiten*

**Archiv für Rassen und Gesellschaftsbiologie*

**Archiv für Schiffs-und Tropen-Hygiene*

**Archiv für soziale Hygiene und Demographie*

**Archiv für Verdauungskrankheiten*

**Archiv für Zellforschung*

**Archives d'Anatomie, d'Histologie et d'Embryologie*

**Archives d'Anatomie microscopique*

**Archives de Biologie*

**Archives de Médicine experimentale et d'Anatomie pathologique*

Archives de Médicine des Enfants

**Archives de Neurologie (Archives internationales de Neurologie)*

**Archives de Physiologie, normal et pathologique*

**Archives des Maladies du Coeur*

**Archives Générales de Médicine*

**Archives internationales de Pharmacodynamie et de Therapie*

**Archives Neerlandaises de Physiologie*

**Archives of Dermatology and Syphilology*

**Archives of Internal Medicine*

**Archives of Neurology and Psychiatry*

**Archives of Occupational Therapy*

**Archives of Otolargyngology*

**Archives of Ophthalmology*

**Archives of Pathology and Laboratory Medicine*

**Archives of Pediatrics*

**Archives of Physical Therapy, X-Ray, Radium*

**Archives of Radiology and Electrotherapy*

Archives of the Roentgen Ray

**Archives de Tocologie des Maladies des Femmes*

**Archives of Surgery*

**Archivio Italiano di Anatomia e di Embriologia*

**The Asclepiad*

**Atlantic Medical Journal*

**Beiträge zur chemischen Physiologie und Pathologie—Hofmeister's*

**Beiträge zur Geburtshilfe und Gynaekologie*

Beiträge zur klinische Chirurgie

Beiträge zur Klinik der Tuberkulose
**Beiträge zur pathologischen Anatomie und zur allgemeinen Pathologie*
**Berichte der Deutschen chemischen Gesellschaft*
**Berichte über die gesamte Gynäkologie und Geburtshilfe*
**Berichte über die gesamte Physiologie und experimentelle Pharmakologie*
**Berichte über die Versammlungen der ophthalmologischen Gesellschaft*
**Berliner klinische Wochenschrift*
**Bibliographia Physiologica*
**Bibliographia Zoologica*
**Bibliographie Anatomique*
**Biochemical Bulletin*
**Biochemical Journal*
**Biochemische Zeitschrift*
**Biochemisches Centralblatt*
**Biologia Generalis*
**Biologie und Pathologie des Weibes*
**Biological Bulletin*
**Biologisches Centralblatt*
**Biometrika*
**Biophysikalisches Zentralblatt*
**Boston Medical and Surgical Journal*
**Botanical Gazette*
**Brain*
**British Dental Journal*
**British Gynecological Journal*
**British Journal of Dental Science*
**British Journal of Dermatology*
**British Journal of Children's Diseases*
**British Journal of Experimental Biology*
**British Journal of Experimental Pathology*
**British Journal of Ophthalmology*
British Journal of Psychology
British Journal of Radiology
**British Journal of Surgery*
British Journal of Tuberculosis
**British Medical Journal*
**Bulletin de l'Académie de Médicine*
**Bulletin de l'Association Française pour l'étude du cancer*
**Bulletin de l'Institut Pasteur*
**Bulletin de la Société Française de Dermatologie et de Syphilographie*
**Bulletin de la Société d'Obstétrique et de Gynécologie de Paris*
**Bulletin de la Société de Pathologie exotique*
Bulletin d. l. Société d. Sciences médicales et biologiques
**Bulletin of the Association of American Medical Colleges*
**Bulletin of the National Research Council*
**Bulletin of the Society of Medical History of Chicago*
**Bulletins et Mémoires de la Société Anatomique de Paris*
Bulletins et Mémoires de la Société de Chirurgie de Paris
**Bulletins et Mémoires de la Société médicales des Hôpitaux de Paris*
**Canadian Medical Association Journal*
**La Cellule*
**Centralblatt für allgemeine Pathologie und pathologische Anatomie*
**Centralblatt für Bakteriologie, Parasitenkunde und Infektionskrankheiten .Originale. Referate*
**Centralblatt für experimentellen Medizin*
**Centralblatt für innere Medizin*
Centralblatt für klinische Medizin
**Centralblatt für Krankheiten der Harn und Sexualorgane*
**Centralblatt für die medizinischen Wissenschaften*
**Centralblatt für Nervenheilkunde und Psychiatrie*
Centralblatt für praktische Augenheilkunde
**Charité-Annalen*
**Chemical Abstracts*
**Chemical Review*
**Chemisches Centralblatt*
**Comptes rendus hebdomadaires des Séances de l'Academie des sciences*
**Comptes Rendus des Séances de la Société de Biologie*
**Cornell University Medical Bulletin*
**Correspondenzblatt für Schweizer Aerzte*
**Dental Cosmos*
Dental Record
**Dermatologische Wochenschrift*
**Dermatologische Zeitschrift*
**Deutsche medizinische Wochenschrift*
**Deutsche Monatsschrift für Zahnheilkunde*

**Deutsche Zeitschrift für Chirurgie*
Deutsche Zeitschrift für gesamte gerichtliche Medizin
**Deutsche Zeitshcrift für Nervenheilkunde*
**Deutsche Archiv für klinische Medizin*
**Dietetic and Hygiene Gazette*
**Dominion Dental Journal*
**Dublin Journal of Medical Sciences*
**Edinburgh Medical and Surgical Journal*
**L'Encephale*
**L'Encephale (Journal des Maladies mentales et nerveuses)*
**Endocrinology*
**Ergebnisse der allgemeinen Pathologie und pathologischen Anatomie*
**Ergebnisse der Anatomie und Entwickelungsgeschichte*
**Ergebnisse der Geburtshilfe und praktische Gynäkologie*
**Ergebnisse der innere Medizin und Kinderheilkunde*
**Ergebnisse der Physiologie*
Eugenics Review
**Fermentforschung*
**Folia Anatomica Japonica*
**Folia Haematologica. Originale*
**Folia Haematologica. Referate*
**Folia Neuro-biologica*
**Folia Neurologica*
**Folia Serologica*
**Folia Urologica*
**Fortschritte auf dem Gebiete der Röntgenstrahlen*
**Fortschritte der Medizin*
**Fortschritte der Zahnheilkunde*
**Frankfurter Zeitschrift für Pathologie*
**Gazette Hebdomadaire de Médicine*
**La Gynécologie*
**Gynécologie et d'Obstetrique*
**Haematologica-Archivio Italiano di Ematologica*
**Heart*
**Hygeia (Chicago)*
**Hygiea (Stockholm)*
L'Hygiene Mentale
**Illinois Medical Journal*
**Illinois State Laboratory of Natural History-Bulletin*
**Index Catalogue of the Surgeon-General's Office*
**Index Medicus*
**Indian Journal of Medical Research*
L'Informateur des Alienistes et Neurologistes
**International Association of Medical Museums Bulletin*
**International Clinics*
International Journal of Orthodontia
**International Journal of Psychoanalysis*
**International Journal of Surgery*
**International Medical Digest*
**International Surgical Digest*
**Internationale Monatsschrift für Anatomie und Physiologie*
**Internationales Centralblatt für Harn und Sexualorgane*
**Irish Journal of Medical Science*
**Jahrbuch für Kinderheilkunde*
**Jahrbuch der Psychoanalyse*
**Jahresberichte der Ophthalmologie*
**Jahresbericht über die Ergebnisse der Immunitätsforschung*
**Jahresbericht über die Fortschritte der Anatomie und Entwickelungsgeschichte*
**Jahresbericht über die Fortschritte und Leistungen auf dem Gebiete der Hygiene*
**Jahresbericht über die Fortschritte der Anatomie und Physiologie*
**Jahresbericht über die Fortschritte auf dem Gebiete der Chirurgie*
**Jahresbericht über die Fortschritte auf dem Gebiete der Geburtshilfe und Gynäkologie*
**Jahresbericht über die Fortschritte der Tier-Chemie (Maly)*
**Jahresbericht über die Fortschritte der Anatomie und Physiologie (Waldeyer-Posner)*
**Jahresbericht über die Leistungen und Fortschritte auf dem Gebiete der Neurologie und Psychiatrie*
**Jahresbericht über die Leistungen und Fortschritte im Gebiete der Ophthalmologie*
**Jahresbericht über die Lehre von den pathogenen Mikroorganismen, umfassend Bakterien, Pilz und Protozoen*

Jahresbericht über die Leistungen und Fortschritte in der gesamten Medizin (Constatt) (Virchow-Hirsch)
Jahresbericht über Haut- und Geschlechtskrankheiten
Jahreskurse für ärztliche Fortbildung
Janus
Japan Medical Journal
Jenaische Zeitschrift für Naturwissenschaft
Johns Hopkins Hospital. Bulletin
Johns Hopkins Hospital. Reports
Journal de Chirurgie
Journal de Physiologie et de Pathologie générale
Journal of Abnormal Psychology
Journal of Advanced Therapeutics
Journal of Agricultural Research
Journal of American Chemical Society
Journal of the American Dental Association
Journal of American Medical Association
Journal of Anatomy
Journal of Anatomy and Physiology
Journal of Animal Behavior
Journal of Association of Military Surgeons
Journal of Association of Official Agricultural Chemists
Journal of Bacteriology
Journal of Biochemistry
Journal of Biological Chemistry
Journal of Bone and Joint Surgery
Journal of Cancer Research
Journal of Chirurgie
Journal of Clinical Investigation
Journal of Comparative Neurology
Journal of Comparative Psychology
Journal of Cutaneous Diseases
Journal of Dental Research
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Journal de Psychologie normale et pathologique
Journal of Physiology
Journal of Royal Microscopical Society
Journal of Tropical Medicine and Hygiene
Journal d'Urologie
Journal of Urology
Kitasato Archives of Experimental Medicine
Klinische Monatsblätter für Augenheilkunde
Klinische Wochenschrift
Kolloid-Zeitschrift
Kongresszentralblatt für die gesammte innere Medizin und ihre Greuzgebiete
Krankheitsforschung
Lancet
Liebig's Annalen
Lyon Médical
Mayo Clinics
Medical Clinics of Chicago
Medical Clinics of North America
Medical Journal and Record
Medical Life
Medical Record
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Medizinal-statistische Mitteilungen aus dem kaiserlichen Gesundheitsamte

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**Military Surgeon*
**Mind*
**Mitteilungen über allgemeine Pathologie und pathologische Anatomie*
**Mitteilungen aus dem Grenzgebieten der Medizin und Chirurgie*
**Mitteilungen aus der medizinischen Fakultät der kaiserlichen Universität zu Tokyo*
Mitteilungen zur Geschichte der Medizin und Naturwissenschaften
**Modern Hospital*
**Monatshefte dür praktische Dermatologie*
**Monatsschrift für Geburtshülfe und Gynäkologie*
**Monatsschrift für Kinderheilkunde Originale. Referate*
**Monatsschrift für Ohrenheilkunde*
**Morphologisches Jahrbuch*
**Münchener medizinische Wochenschrift*
National Research Council Bulletin
**Nation's Health*
**Neurologisches Centralblatt*
**La Névraxe*
New Orleans Medical and Surgical Journal
**New York Medical Journal*
**New York Pathological Society. Proceedings*
**La Nourisson*
**Nouvelle Icongraphie de la Salpêtrière*
**Nouvelles Archives d'Obstétrique et de Gynécologie*
**Obstetrical Journal of Great Britain and Ireland*
**L'Obstétrique*
**Occupational Therapy and Rehabilitation*
**Ophthalmic Record*
Ophthalmic Review
**Ophthalmic Year Book*
Pacific Dental Gazette
**Parasitology*
La Pediatria
**Pediatrics*
**Pennsylvania Medical Journal*
Philippine Journal of Science
Physical Therapeutics
**Physiological Abstracts*
**Physiological Review*
**Practitioner*
Prager medizinische Wochenschrift
**Praktische Ergebnisse der Geburtshilfe und Gynäkologie*
**La Presse Médicale*
**Proceedings of the Society for Experimental Biology and Medicine*
**Progressive Medicine*
**Psychobiology*
**Quarterly Cumulative Index to Current Medical Literature*
**Quarterly Journal of Experimental Physiology*
**Quarterly Journal of Medicine*
**Quarterly Journal of Microscopical Science*
**Quarterly Review of Biology*
**Radiology*
**Review of Neurology and Psychiatry*
**Revista Medica de Barcelona*
**Revue de Chirurgie*
**Revue Française de Dermatologie et de Vénéréologie*
**Revue de Gynaecologie*
**Revue Internationale de la Croix-Rouge*
**Revue meusuelle des Maladies de l'Enfance*
**Revue Neurologique*
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Revue de Stomatologie
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**Schmidt's Jahrbücher der in-und ausländischen gesamten Medizin*
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**Schweizeriche medizinische Wochenschrift*
**Science*
**Scientific Monthly*
La Sémaine médicale
**Seuchenbekampfung*
**Skandinavisches Archiv für Physiologie*
**Southern Medical Journal*
**Strahlentherapie*
**Surgery, Gynecology and Obstetrics*
**Surgical Clinics of Chicago*
**Surgical Clinics of North America*

Therapeutic Gazette
Therapeutische Halbmonatshefte
Therapeutische Monatshefte
Therapie der Gegenwart
Tohoku Journal of Experimental Medicine
Transactions of the:
American Academy of Ophthalmology and Oto-Laryngology
American Association of Genito-Urinary Surgeons
American Association of Medical Milk Commissions
American Association of Obstetricians, Gynecologists and Abdominal Surgeons
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Verhandlungen der deutschen pathologischen Gesellschaft
U. S. Dept. of Agriculture—Experiment Station Record
United States Naval Medical Bulletin
Uppsala läkareförenings förhandlingar
Urologischer Jahresbericht
Viertel-Jahresschrift für gerichtliche Medizin
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Zeitschrift für Fleisch-und-Milch Hygiene
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Zeitschrift für Hygiene und Infektionskrankheiten

- **Zeitschrift für Immunitätsforschung und experimentelle Therapie. Originale. Referate*
- **Zeitschrift für induktive Abstammungs- und Vererbungslehre*
- **Zeitschrift für Kinderheilkunde. Originale. Referate.*
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- **Zeitschrift für klinische Medizin*
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- **Zeitschrift für die Ophthalmologie*
- **Zeitschrift für physikalische und diätetische Therapie*
- **Zeitschrift für physiologische Chemie (Hoppe-Seyler)*
- **Zeitschrift für Psychologie und Physiologie der Sinnesorganes*
- **Zeitschrift für Tuberkulose*
- **Zeitschrift für Urologie*
- **Zeitschrift für urologische Chirurgie*
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- **Zeitschrift für wissenschaftliche Zoologie*
- **Zeitschrift für Zellforschung und mikroskopische Anatomie*
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- **Zentralblatt für Chirurgie*
- **Zentralblatt für experimentelle Medizin*
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- **Zentralblat für gesamte Hygiene und ihre Grenzgebiete*
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- **Zentralblatt für die gesamte Neurologie und Psychiatrie*
- **Zentralblatt für gesamte Ophthalmologie*
- **Zentralblatt für gesamte Physiologie und Pathologie des Stoffwechsels und Sammelorgan . . . a den Gebiete d. innere Sekretion*
- **Zentralblatt für gesamte Therapie*
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- **Zentralblatt für Nervenheilkunde und Psychiatrie*
- **Zentralblatt für Physiologie*
- **Zentralorgan für gesamte Chirurgie und ihre Grenzgebiete*
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703 South Wood Street, Chicago

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THE STATE UNIVERSITY

Urbana

DAVID KINLEY, Ph.D., LL.D., President

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The College of Liberal Arts and Sciences (Curricula: General with majors, in the Humanities and the Sciences; Chemistry and Chemical Engineering; Pre-legal, Pre-medical and Pre-dental; Journalism, Home Economics and Applied Optics)

The College of Commerce and Business Administration (Curricula: General Business, Banking and Finance, Insurance, Accountancy, Railway Administration, Railway Transportation, Industrial Administration, Foreign Commerce, Commercial Teachers, Trade and Civic Secretarial Service, Public Utilities, Commerce and Law)

The College of Engineering (Curricula: Architecture, Ceramics; Architectural, Ceramic, Civil, Electrical, Gas, General, Mechanical, Mining and Railway Engineering; Engineering Physics)

The College of Agriculture (Curricula: General Agriculture; Floriculture; Home Economics; Landscape Architecture; Smith-Hughes—in conjunction with the College of Education)

The College of Education (Curricula: Two year, prescribing junior standing for admission—General Education, Smith-Hughes Agriculture, Smith-Hughes Home Economics, Public School Music; Four year, admitting from the high school—Industrial Education, Athletic Coaching and Physical Education for men—

The University High School is the practice school of the College of Education)

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The College of Law (Three-year curriculum based on two years of college work. Beginning Jan. 1, 1929 the curriculum will be based on three years of college work at the University of Illinois, or a bachelor's degree if pre-law work is taken elsewhere)

The Library School (one year curriculum for college graduates)

The College of Medicine (in Chicago)

The College of Dentistry (in Chicago)

The School of Pharmacy (in Chicago)

The Summer Session (eight weeks)

Experiment Stations and Scientific Bureaus: U. S. Agricultural Experiment Station; Engineering Experiment Station; State Natural History Survey; State Water Survey; State Geological Survey; Bureau of Educational Research.

The Library collections contain (July 1, 1927) 711,753 volumes and 155,331 pamphlets.

For catalogs and information address

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Urbana, Illinois

1928/29
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UNIVERSITY OF ILLINOIS CIRCULAR
Published four times a year in the months of March, June, July and August, at Chicago, Ill.

VOL. XIV AUGUST, 1928 No. 4

(Entered as second-class matter October 16, 1914, at the post office at Chicago, Illinois, under the Act of Congress of August 24, 1912.)

Acceptance for mailing at special rate of postage provided for in Section 1103, Act of October 3, 1917, authorized July 27, 1918

UNIVERSITY OF ILLINOIS

COLLEGE OF MEDICINE

1928-29

PUBLISHED BY THE UNIVERSITY OF ILLINOIS
508 SOUTH HONORE STREET
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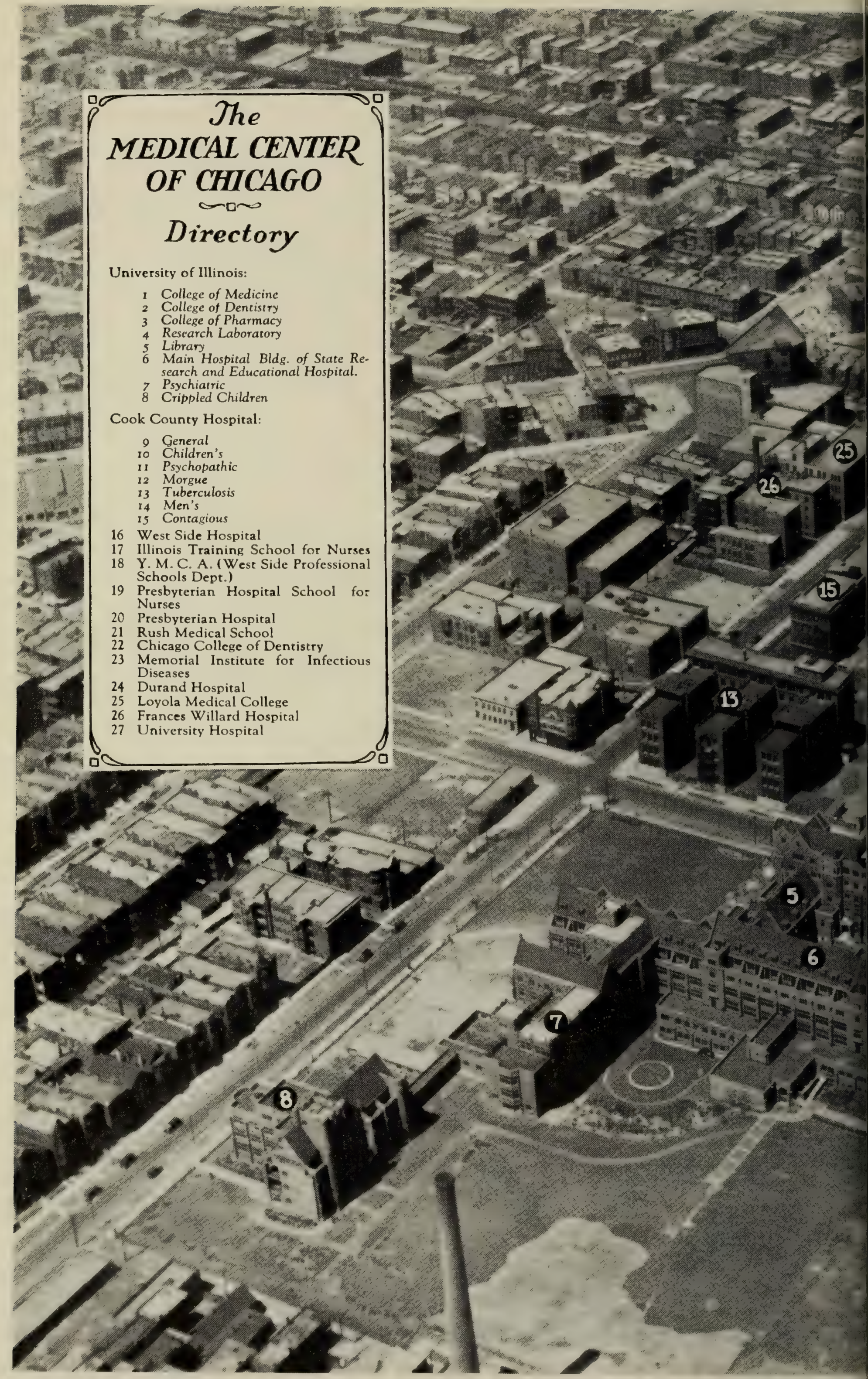

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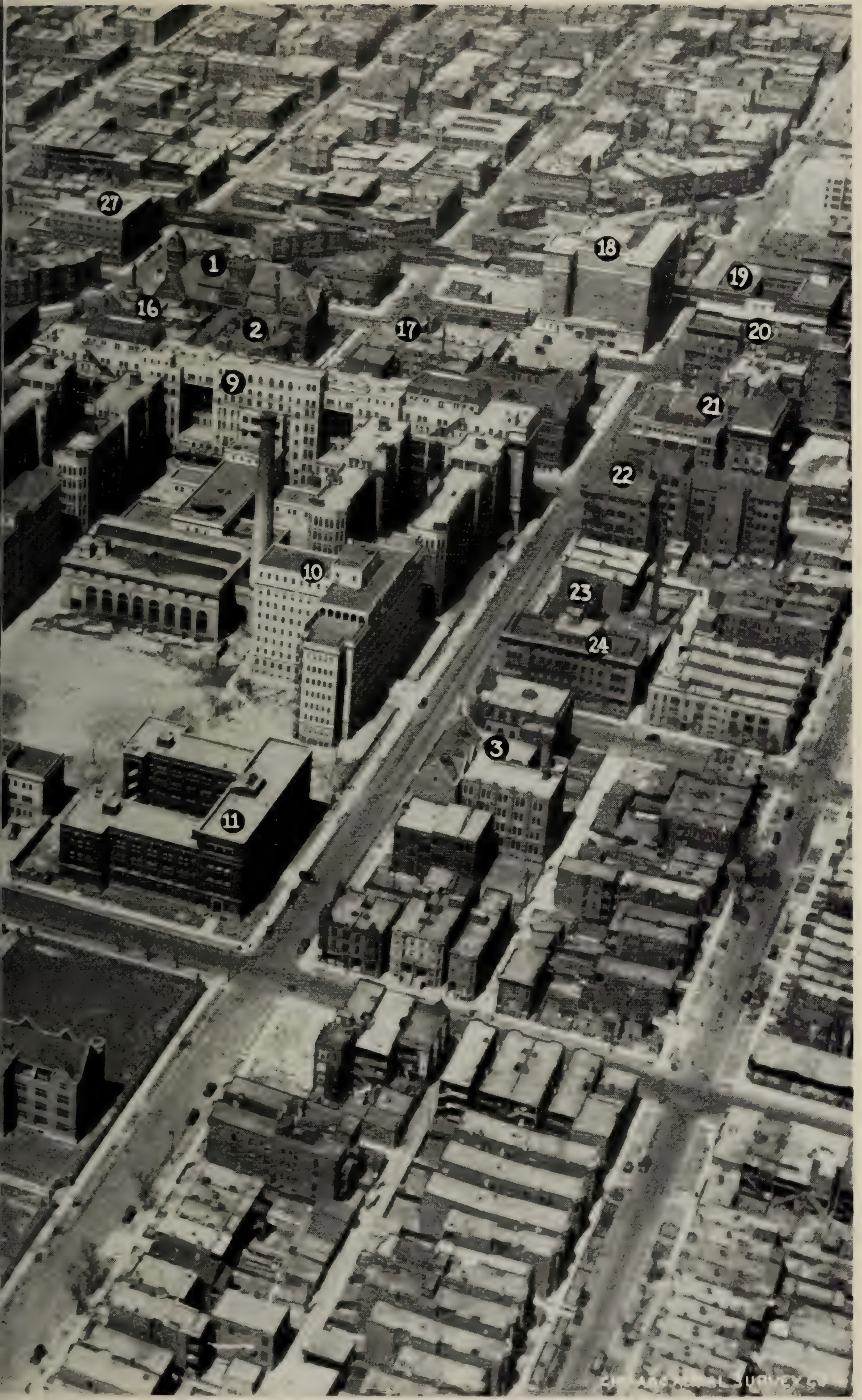
University of Illinois:

1 *College of Medicine*
2 *College of Dentistry*
3 *College of Pharmacy*
4 *Research Laboratory*
5 *Library*
6 *Main Hospital Bldg. of State Research and Educational Hospital.*
7 *Psychiatric*
8 *Crippled Children*

Cook County Hospital:

9 *General*
10 *Children's*
11 *Psychopathic*
12 *Morgue*
13 *Tuberculosis*
14 *Men's*
15 *Contagious*

16 West Side Hospital
17 Illinois Training School for Nurses
18 Y. M. C. A. (West Side Professional Schools Dept.)
19 Presbyterian Hospital School for Nurses
20 Presbyterian Hospital
21 Rush Medical School
22 Chicago College of Dentistry
23 Memorial Institute for Infectious Diseases
24 Durand Hospital
25 Loyola Medical College
26 Frances Willard Hospital
27 University Hospital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COLLEGE OF MEDICINE

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1928-1929

UNIVERSITY OF ILLINOIS
CHARTERED 1867

CHICAGO
PUBLISHED BY THE UNIVERSITY
1928

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CALENDAR

1928

JANUARY

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COLLEGE CALENDAR

1928–29

FIRST SEMESTER

September 5-8, Wednesday-Saturday
Entrance Examinations. All departments of the University (High School Subjects)

September 24-29, Monday-Saturday
Special examinations

October 1, Monday, 8 a. m.-5 p. m.
Registration and payment of fees

October 2, Tuesday, 8 a. m.
Instruction begun

November 28, Wednesday, 12 m.
Thanksgiving recess

December 3, Monday, 8 a. m.
Instruction resumed

December 22, Saturday, 5 p. m.
Holiday recess begun

January 3, Thursday, 8 a. m.
Instruction resumed

January 28-February 1, Monday-Friday
Semester examinations

SECOND SEMESTER

February 4, Monday, 8 a. m.-5 p. m.
Registration and payment of fees

February 5, Tuesday, 8 a. m.
Instruction begun

February 12, Tuesday
Lincoln's Day
One-half holiday beginning at 12 noon

March 28, Thursday, 6 p. m.
Easter recess begun

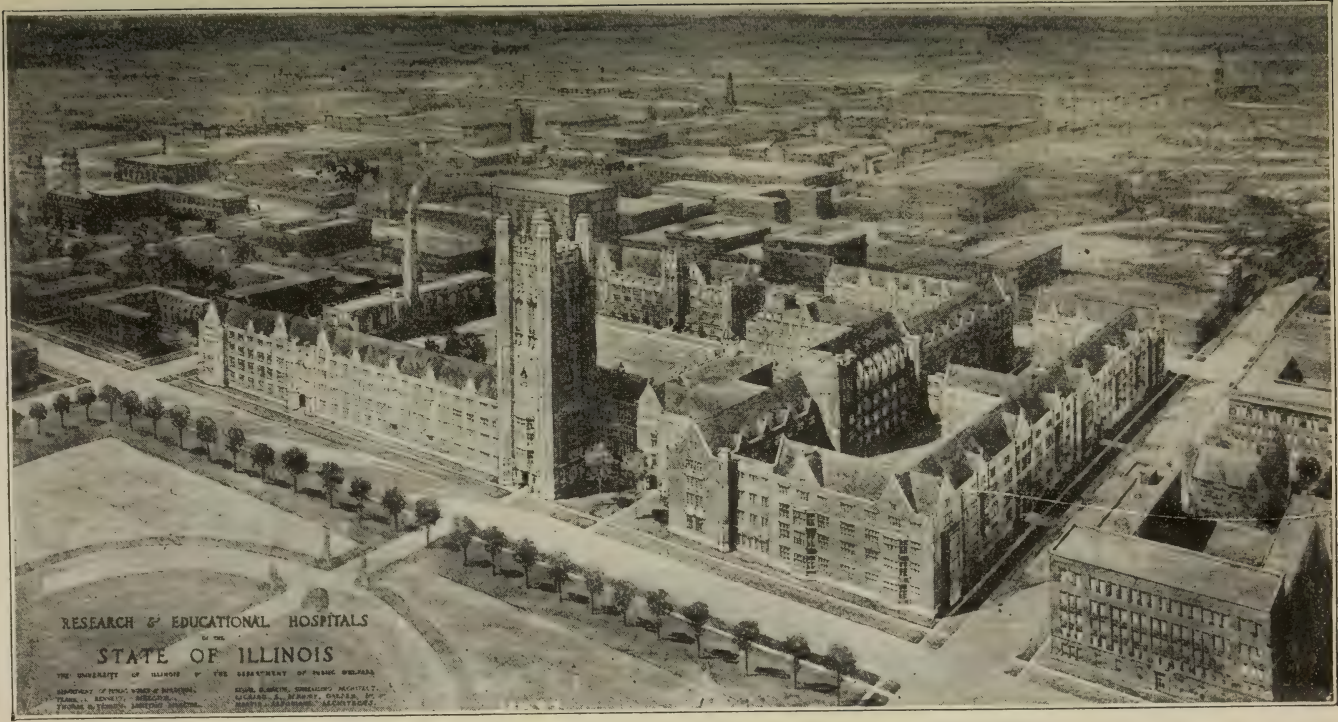
April 1, Monday, 1 p. m.
Instruction resumed

May 30, Thursday
Memorial Day

May 20-31, Monday-Friday
Final examinations: Second and Fourth Years, May 20-24 inclusive; First and Third Years, May 27-31, inclusive

June 7, Friday
Class Day
Alumni Meeting

June 8, Saturday, 10:30 a. m.
Commencement Exercises
Chicago Professional Schools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Junior Surgery—DR. GEORGE ABELIO, DR. BERTRAM BEERS, DR. CHARLES HERSHEY.
Junior Medicine—DR. S. PERLSTEIN, DR. M. H. STREICHER.
Junior Pediatrics—DR. WALTER C. MCKEE, DR. JULIUS RHODES.
Junior Obstetrics—DR. C. ALFONSE BACON.
Junior Eye—DR. CHARLES A. BURHKOLDER.
Junior Ear, Nose and Throat—DR. S. H. SOBOROFF.
Junior Orthopedics—DR. FERDINAND SEIDLER.
Assistants in Surgery—DR. ROBERT COOMBS, DR. JOHN D. BATKO.

ST. ELIZABETH'S HOSPITAL

M. G. LUKEN, M.D., F.A.S.C., *President of Staff and Chairman of Board of Directors*

CONSULTING FACULTY

W. C. SANFORD, B.S., M.D., F.A.S.C., *Surgery.*
E. E. HENDERSON, M.D., F.A.S.C., *Surgery.*
P. A. SULLIVAN, M.D., *Gynecologist.*
A. G. WIPPERN, M.D., *Otolarnyologist.*
P. J. LATZ, M.D., *Internal Medicine.*
C. S. BACON, M.D., Ph.B., D.Sc., F.A.S.C., *Obstetrician*

Attending Surgeons

A. G. Zimmerman, M.D., F.A.S.C.
M. G. Luken, M.D.
B. S. Milton, M.D.
A. J. Linowiecki, M.D.
E. B. Kalvelage, M.D.

Attending Associate Surgeons

A. E. Malachowski, M.D.
J. P. Wojtalewicz, M.D.

Attending Obstetricians

J. R. Lavieri, M.D.
J. W. Kramps, M.D.
Oscar Ofner, M.D., F.A.S.C.

Attending Associate Obstetricians

C. A. Bacon, B.S., M.D.
A. F. Lash, M.D.

Attending Physicians

L. L. Hardt, M.D.
G. L. Perusse, M.D.
A. E. Luckhardt, M.D.
M. H. Bisdorf, M.D.

Attending Associate Physicians

G. W. Cassady, M.D.
E. H. Flinn, M.D.
A. J. Alcorn, M.D.
A. J. Behrendt, M.D.

Attending Pediatricians

W. H. O. Hoffman, M.D.
B. M. Levin, B.S., M.D.

Attending Otolaryngists and Ophthalmologists

Oscar Cleff, M.D.
L. F. Waldman, M.D.
F. A. Dulak, M.D.

Attending Pathologist, Ernst Pribram, M.D.
Attending Roentgenologist, Julius Brams, M.D., B.S.
Attending Oral Surgeon, Dennis J. Nomoyle, D.D.S.
Dietician, Elsie J. Nelson, Ph.B.

CHICAGO POLICLINIC

Surgery
M. L. Harris, M.D.
J. A. Graham, M.D.
Ervin Mader, M.D.
Clifford Osborne, M.D.

Medicine
Chas. S. Williamson, M.D.
H. V. Gould, M.D.
A. V. Bergquist, M.D.

Obstetrics
Gilbert Fitz-Patrick, M.D.

Gynecology
Channing W. Barrett, M.D.
H. A. Tyler, M.D.
B. L. T. Woods, M.D.
F. Lee Stone, M.D.

Dermatology
S. R. Hurlburt, M.D.
A. N. Mackey, M.D.
J. L. Webb, M.D.

Ear, Nose and Throat
John Bick, M.D.
S. B. Munns, M.D.
S. J. Morys, M.D.

Tuberculosis
Wm. R. Abbott, M.D.
G. W. Wagner, M.D.

Pediatrics
Henry H. Kleinpell, M.D.
P. E. Grabow, M.D.
C. T. Heidel, M.D.
S. M. Goldberger, M.D.

Urology
Edward Wm. White, M.D.

Neurology
Hugh T. Patrick, M.D.
Jas. C. Gill, M.D.

Ophthalmology
E. A. Bredlau, M.D.
E. A. Roling, M.D.
E. H. Hoffmann, M.D.

THE WEST SIDE HOSPITAL

Surgery
T. A. Davis, M.D., President
*Alex C. Wiener, M.D.
Thomas J. Conley, M.D.
J. P. Smyth, M.D.
George F. Thompson, M.D.
E. M. Brown, M.D.
C. R. G. Forrester, M.D.
Wm. S. Royce, M.D.
C. C. O'Byrne, M.D.

Internal Medicine
Clyde D. Pence, M.D., Vice-President
W. L. Callaway, M.D.
J. J. Pflock, M.D.
C. J. McMullen, M.D.

Eye and Ear
Wm. L. Noble, M.D., Secretary
E. E. Dewey, M.D.

Nose and Throat
James A. Clark, M.D.
M. W. Brucker, M.D.
Rudolph J. Mroz, M.D.

Gynecology
John M. Lang, M.D., Treasurer
F. S. Hartman, M.D.
A. H. Brumback, M.D.
Channing W. Barrett, M.D.
A. N. Clagett, M.D.
S. G. West, M.D.
F. M. Clark, M.D.

Genito-Urinary Surgery
J. S. Nagel, M.D.

Associate Staff

Surgery
H. C. Lyman, M.D.
A. W. Freese, M.D.
E. J. Worthington, M.D.
M. U. Prescott, M.D.
M. T. Strikol, M.D.
F. B. Lucas, M.D.
J. A. Sodaro, M.D.
Hart E. Fisher, M.D.
S. F. Janicki, M.D.

Gynecology
J. E. Fleischner, M.D.
B. H. Burgner, M.D.
P. C. Goergen, M.D.

Medicine
R. B. Sarginson, M.D.
C. C. Saelhof, M.D.

Pediatrics
Ralph H. Kuhns, M.D.

Eye and Ear
A. W. Allen, M.D.
James M. Grove, M.D.
A. E. Lunn, M.D.

Neurology
U. G. Darling, M.D.

Roentgenology and Pathology
Chas. E. Fitzsimmons, M.D.

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* Deceased

HOSPITAL OF ST. ANTHONY DE PADUA

Surgery—Lawrence Ryan, M.D., F.A.C.S.; Stephen E. Donlon, M.D., F.A.C.S.; John J. Sprafka, M.D., F.A.C.S.; Joseph Zabokrtsky, M.D., F.A.C.S.; Ralph C. Cupler, M.D., F.A.C.S.

Medicine—J. Chase Stubbs, M.D.; Frank L. Foran, M.D.; James A. Jennings, M.D.; Frank J. Fara, M.D.

Obstetrics—Max A. Weisskopf, M.D., F.A.C.S.; John D. McGregor, M.D.; Perry J. Lusk, M.D.; Oscar G. Fischer, M.D.; Frank Fortelka, M.D., F. J. Pokorney, M.D.

Genito-Urinary Surgery—Otto J. Jirsa, M.D., F.A.C.S.; Harry J. Smejkal, M.D., F.A.C.S.

Pediatrics—Robert Hardie, M.D.; Frank Thometz, M.D.; Evelyn Ehrmann, M.D.

Diseases of the Eye—William F. Moncrieff, M.D.; Harry Thometz, M.D.; Georgiana D. Theobald, M.D.

Diseases of the Nose and Throat—Louis E. Gordon, M.D.; John A. Cavanaugh, M.D.; John Theobald, M.D.

Dermatology—Leonard Weber, M.D.

Orthopedic Surgery—Frank F. Trombly, M.D.

Pathologist—Fred B. Olentine, M.D., F.A.C.S.

Roentgenologist—S. L. Tichy, M.D.

MOUNT SINAI HOSPITAL

Medicine
Attending Men: Dr. M. Lewison, Dr. G. Rubin, Dr. I. M. Trace
Associates: Dr. M. Arkin, Dr. E. B. Freilich, Dr. H. J. Isaacs, Dr. E. B. Jacobs, Dr. J. Meyer
Adjuncts: Dr. L. Edidin, Dr. T. M. Kamins

Surgery
Attending Men: Dr. R. Bettman, Dr. L. Davis, Dr. H. M. Richter, Dr. V. L. Schrager
Associates: Dr. I. E. Bishkow, Dr. L. E. Handelman, Dr. I. M. Levin
Adjuncts: Dr. M. H. Kronenberg, Dr. J. M. Mora, Dr. D. A. Willis

Obstetrics
Attending Man: Dr. C. Newberger
Associates: Dr. H. Buxbaum, Dr. A. H. C. Goldfine
Adjunct: Dr. M. Steinberg

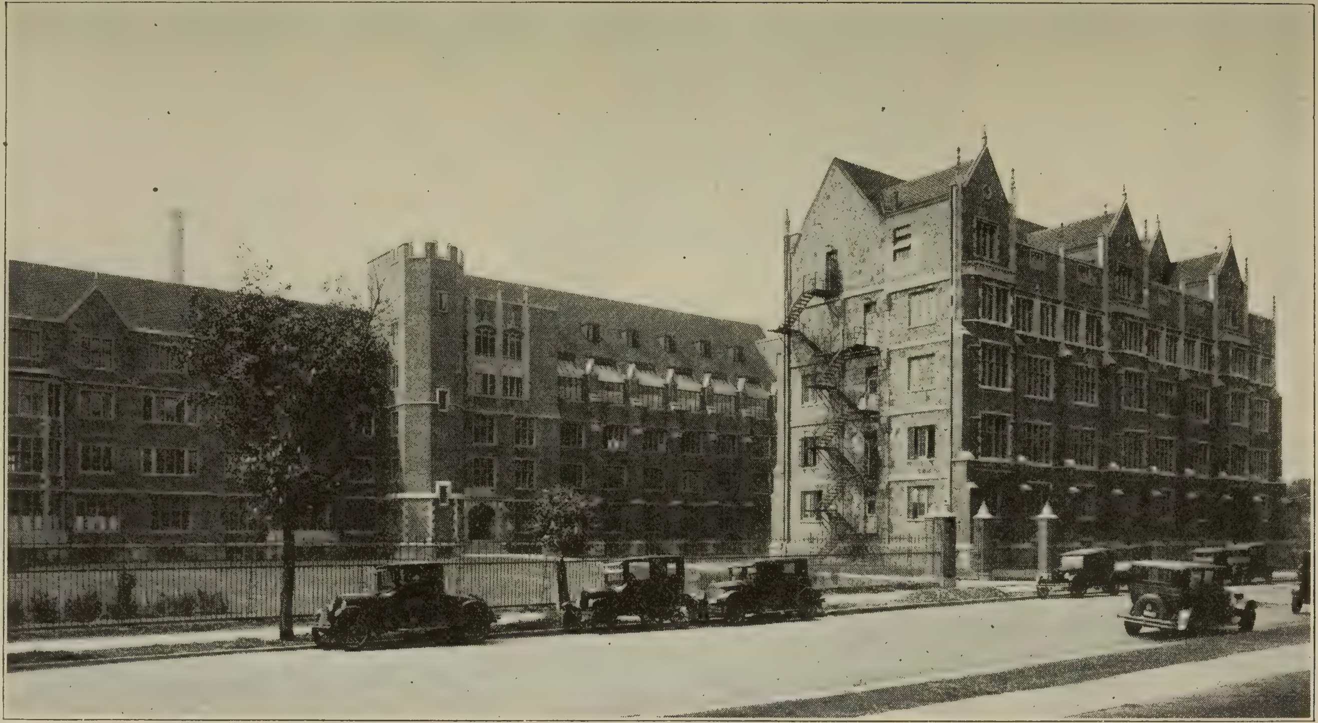
Gynecology
Attending Man: Dr. A. E. Kanter
Associates: Dr. A. F. Lash

Pediatrics
Attending Man: Dr. A. Levinson
Associates: Dr. M. P. Borovsky, Dr. J. S. Cohn
Adjuncts: Dr. P. L. Aries, Dr. I. Rubin

Urology
Attending Man: Dr. G. Kolischer
Associates: Dr. H. Katz, Dr. H. Rolnick

Ophthalmology
Attending Man: Dr. M. H. Lebensohn
Associate: Dr. J. E. Lebensohn
Adjunct: Dr. S. L. Shapiro

Oto-Laryngology
Attending Men: Dr. J. Lifschutz, Dr. N. Schoolman
Associate: Dr. S. Morwitz
Adjuncts: Dr. I. I. Muskat, Dr. E. Selinger
Orthopedics
Attending Man: Dr. C. M. Jacobs
Associates: Dr. M. A. Bernstein, Dr. D. Levinthal
Dermatology
Associates: Dr. M. Dorne, Dr. M. S. Wien
Neurology
Attending Men: Dr. G. B. Hassin, Dr. D. M. Olkon
Associates: Dr. A. S. Hershfield, Dr. M. Solomon
Pathology
Attending Man: Dr. B. Gruskin
Radiology
Attending Man: Dr. M. I. Kaplan
Oral Surgery
Associate: Dr. E. L. Aison
Anesthesia Dr. H. Shacoff



RESEARCH BUILDING WITH EDUCATIONAL HOSPITAL IN BACKGROUND

THE COLLEGE OF MEDICINE
OF THE
UNIVERSITY OF ILLINOIS

GENERAL DESCRIPTION

BUILDINGS, EQUIPMENT AND LIBRARY

The Old Medical College Building. This building, located in the city block bounded by Harrison, Congress, Honore and Lincoln Streets, Chicago, consists of a five-story brick and stone structure two hundred feet long by one hundred and ten feet wide, and a three-story brick annex. It contains four lecture rooms, an assembly hall seating seven hundred, a small recitation room and the laboratories of chemistry, microscopic anatomy, physiology, pathology, bacteriology, pharmacology and therapeutics, operative surgery, experimental medicine and clinical diagnosis. The laboratories for gross anatomy are located in the Dental Building immediately adjoining the Medical Building.

The laboratories are equipped for routine instruction. The general equipment includes: refrigerating plant with cooling units in proximity to the several laboratories, each unit consisting of a number of individual compartments with separate control, providing for a range of temperature down to —5° C.; a Crowell blower, supplying compressed and rarefied air to the laboratories of physiology, chemistry, pathology and pharmacology.

The Research and Educational Hospital. In association with the Department of Public Welfare of the State of Illinois, a group of Hospitals and Laboratories has recently been opened and the University has thereby been placed in a position to offer its faculty adequate facilities for teaching and investigation.

The buildings occupy a campus approximately eight acres in extent, located immediately adjacent to the Cook County Hospital. The units now in operation include the following:—Outpatient Dispensary, General Hospital, Research Laboratory and Library, Pediatric Ward, and the Orthopedic and Psychiatric Divisions.

The Hospital has been designed with great care not only to afford every comfort for the patient, but to facilitate the use of the clinical material for teaching and investigation. At the present time some 200 beds are occupied and the total of 450, contemplated for the Main building, will be available as soon as an adequate provision can be made to house the nurses and employees.

The *first* floor of the Hospital proper contains the Pediatric, the Obstetrical and the Roentgenological Departments. The University has made every provision to develop both the diagnostic and the therapeutic sides of Roentgenology, and in addition has provided equipment for the other branches of Physiotherapy. Undergraduate, as well as graduate, instruction is offered in this Department.

The *second* floor of the Hospital, in addition to wards, contains the clinical laboratories, with divisions for bacteriology, serology, pathology, biochemistry and metabolism.

The *third* floor comprises eight suites of operating rooms and their necessary service rooms. The surgery service is most complete, with special operating rooms for head and genito-urinary work. Both wings provide beds which are now used for general purposes; later they will be used largely for surgical cases.

The *fourth* and *fifth* floors contain living rooms for internes and residents and the quarters for the managing officer of the institution.

The Outpatient Dispensary. This occupies the main floor of the Hospital Building. It possesses large waiting rooms, adequate suites for all divisions of clinical work, a large amphitheatre, drug dispensary and preparation rooms (used in conjunction with the School of Pharmacy), electrocardiographic and hydrotherapeutic units being located in the basement of the building. In addition, the administrative and service offices are located on this floor.

The Research and Library Building. Joining the Hospital by corridors leading from the basement and the third floor the University has erected a laboratory building for the science group of the medical school.

The basement houses the photographic and plastic divisions of the illustration studios. The Department of Pharmacology occupies the first floor, Department of Bacteriology and Pathology the second floor, and the third is used by the Department of Physiology and Physiological Chemistry. The Chemical Laboratory has special rooms for weighing, titration and for fume work, as well as large general and individual laboratories. The Department of Anatomy occupies the major part of the fourth floor. The main section of the Illustration Studios is also situated on this floor. The entire fifth floor is given over to the Animal Hospital, Animal Surgery and kennels for dogs and smaller animals. This floor is used jointly by workers from the various clinics and laboratories.

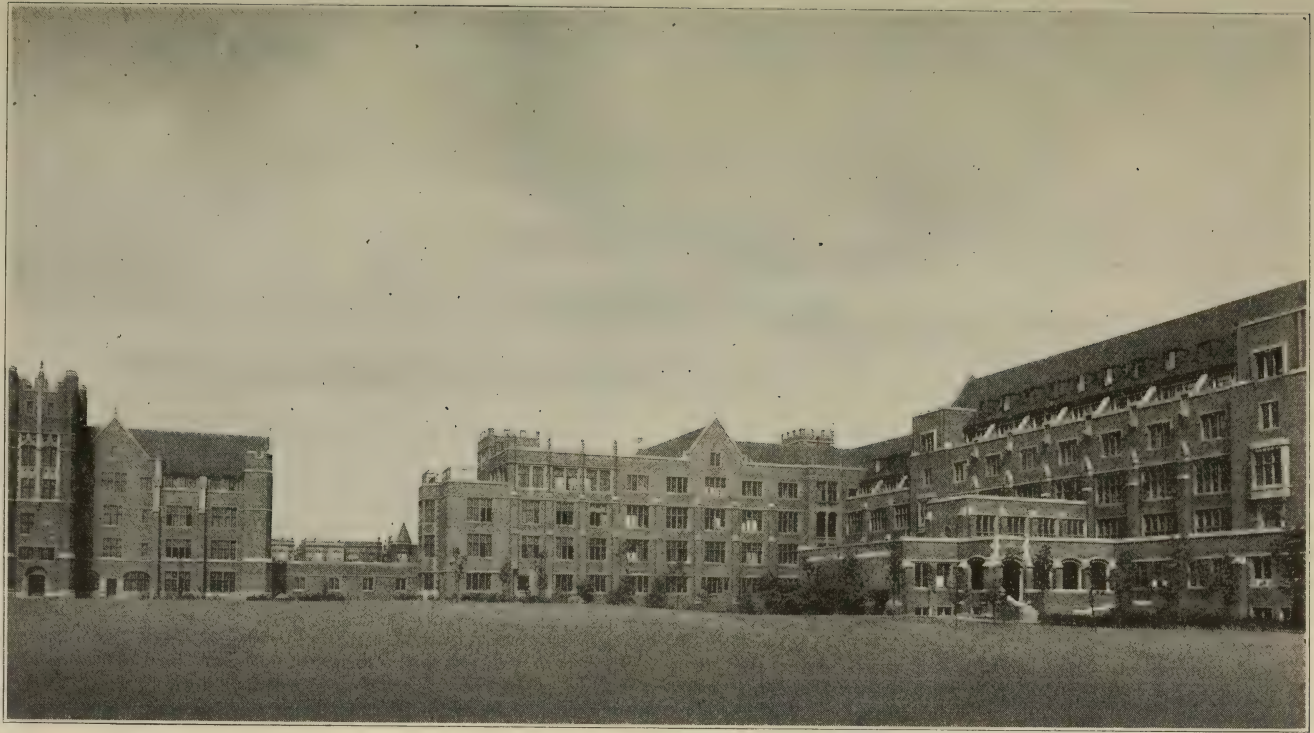
The library, with a beautiful reading room and large convenient stack rooms, occupies an entire wing of this building, as well as space in the basement. It contains 35,300 bound volumes and a number of reprints, including the standard textbooks, works of reference, monographs, and journal files in the fields of medicine, dentistry and pharmacy. The pharmacy collection occupies part of the main floor of the School of Pharmacy. It contains 5,171 volumes and 2,800 pamphlets and ranks as one of the largest pharmaceutical libraries in the country. In addition to these two collections many of the departments of the three schools are supplied with working libraries.

CLINICAL FACILITIES

DISPENSARY

The Dispensary is divided into eleven departments; medicine, surgery, obstetrics, pediatrics, orthopedics, laryngology, dermatology, ophthalmology, gynecology, neurology and genito-urinary surgery. A total of 100,151 treatments were given in 1927-28; 23,347 new patients were registered during the same period.

Opportunities are afforded the student to examine the cases personally under the guidance of instructors. As far as possible, the student is required to make laboratory examinations pertaining to his own cases. Such examinations as the Wassermann reaction are made by the instructors in the laboratory, but the student has an opportunity to follow these and to learn the technique involved.



MAIN BUILDING AS VIEWED FROM THE SOUTHEAST (RESEARCH AND EDUCATIONAL HOSPITALS)

CLINICS

In addition to those in the hospital and dispensary more than 600 clinics in various hospitals are open to students. The great majority of diseases seen in the temperate zone are demonstrated, and most of the operations of surgery are performed in these clinics.

Fourth-year students are required to examine and diagnose many cases and under certain conditions may assist in operations.

Cook County Hospital is located within half a block of the college. This institution is the largest charity hospital in America, and in it is conducted much of the clinical instruction of the college. During the past year it has cared for 70,862 patients.

Medical appointments in this institution are made each year by the Civil Service Board. The internes, 92 in number, are selected each spring by competitive examination. Only graduates of medical colleges of Cook County are eligible for these examinations. The internes serve eighteen months.

The County Morgue is located in the hospital grounds, and in it daily postmortems are held by the pathologists of the hospital.

The hospital tickets cost $5.00 each. They are for sale at the office of the Warden and admit the holder to all clinics, autopsies, public operations and lectures.

The Municipal Tuberculosis Sanitarium at Crawford and Bryn Mawr Avenues, one of the largest institutions of its kind in the country, has accommodation for 1,250 patients, and it treats an average of 2,500 per year. There small groups of students receive practical instruction in residence during their senior years.

The Municipal Contagious Hospital at 3,026 South California Avenue has a capacity of 326 beds and deals with 4,000 patients per year. Small groups of senior students spend a short period in residence at this hospital also.

Clinical instruction to students in small groups, and bedside instruction to those serving as internes, may be given in the following hospitals:

Augustana Hospital, Lincoln and Cleveland avenues, contains 450 beds. The service covers the entire field of surgery and medicine with the exception of contagious diseases.

Chicago Policlinic Hospital, 219-221 W. Chicago avenue, Chicago, has a capacity of 75 beds, including 6 infant beds.

Grant Hospital of Chicago, 531-559 Grant place, has a capacity of 350 beds, including 60 infant cribs.

Illinois Eye and Ear Infirmary, Peoria and Adams streets, is devoted to the diseases of the eye, ear, nose and throat. It has accommodations for nearly 135 inpatients and the number of treatments annually is over 75,000. The material of the Infirmary is accessible for study to the students of the college.

Michael Reese Hospital, 29th and Ellis Avenue, is composed of three separate buildings, the Hospital proper for adults, with 410 beds, the Meyer House with 62 beds, the Sarah Morris Hospital for children, with 131 beds, and the Nelson Morris Institute for Medical Research.

Mt. Sinai Hospital, 1519 S. California avenue, has 200 beds.

St. Anthony de Padua Hospital, 19th St. and Marshall Blvd., has 210 beds.

St. Elizabeth's Hospital, 1443 N. Claremont avenue, has 200 beds, including 35 infant and 18 children's beds.

St. Joseph's Hospital, 2100 Burling street, capacity, 200 beds.

St. Luke's Hospital, 1437 Michigan avenue, has 650 beds, of which 480 may be used for clinical purposes.

St. Mary of Nazareth Hospital, 1120 N. Leavitt street, has 250 beds.

University Hospital, at Congress and Lincoln streets, opposite the College, contains 108 beds.

West Side Hospital, 1850 West Harrison street, Chicago, has a capacity of 175 beds, including 6 infant beds.

In addition to the above, there are more than sixty public and private hospitals in Chicago, each of which appoints from two to four internes annually.

MAIN READING ROOM OF THE QUINE LIBRARY (RESEARCH AND LIBRARY BUILDING)

GENERAL INFORMATION

ENTRANCE REQUIREMENTS FOR 1928-1929

Applications for admission must be made to the Secretary of the College of Medicine in Chicago. No application will be considered unless accompanied by the credentials necessary to determine the student's eligibility for admission. With reference to the admission of non-Illinois students see page 34.

For admission to the College of Medicine, candidates must present:*

1. Four years of accredited high school work or the equivalent, comprising not less than 15 units in acceptable subjects prescribed as follows:

English	3 units[1]
Algebra	1 unit
Plane geometry	1 unit
Latin, Greek, German, or French (both units in the same language)	2 units
History and civics	1 unit
Electives	7 units
Total	15 units

2. Two years' work in a recognized college or university, comprising not less than 60 semester hours, including prescribed subjects as follows:

Chemistry (including organic chemistry, 4 semester hours)	12 semester hours[2]
Physics (at least 2 hours of laboratory work)	8 semester hours
Biology (at least 4 hours of laboratory work, see note 1)	8 semester hours
English	6 semester hours
German, French (see note 2)	6 semester hours
Electives outside of the chemical, physical and biological sciences (see note 3)	6 semester hours
Free electives (see note 3), exclusive of military, hygiene and physical education	14 semester hours
Total	60 semester hours

Note 1: Biology—Four of these 8 semester hours must consist of laboratory work. This requirement may be satisfied by a course of 8 semester hours in either general biology or zoology, or by courses of 4 semester hours each in zoology and botany, but not by botany alone.

Note 2: German, French—The student is strongly urged to secure a reading knowledge of one of these languages. This will ordinarily require at least two years' work in the high school followed by at least 6 hours' work in the same language in college, or two full years' work (in a class reciting at least 3 periods per week) in college if the language was not begun in the high school, or the equivalent.

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*These are the minimum requirements for admission to the College of Medicine. For a broader foundation attention is called to the work indicated on page 34 under "Courses Offered."

[1] By a *unit* is meant a year's work in a single subject, it being understood that the school year shall not be less than 36 weeks in length, that classes shall recite 5 times a week, that the recitation period shall be not less than 40 minutes long, that in science subjects there shall be double periods twice a week and that double time shall be given in subjects like drawing, manual training and bookkeeping, in which little or no outside study is required. Since high-school students ordinarily take four subjects at a time throughout the four years of the high-school course, 15 units represent approximately four years of high-school work.

[2] By a *semester hour* is meant the work of a class meeting one hour once a week for a semester of 18 weeks. Sixty semester hours represent ordinarily two years of college work.

Note 3: Electives—As desirable electives the following subjects are suggested: psychology; college algebra and trigonometry; additional English; economics, history, sociology, political science; logic; Latin, Greek; drawing. Among the free electives advanced chemistry, zoology and botany may be offered.

Students registered in the medical curriculum—The seven-year medical curriculum offered by the University consists of two years of pre-medical work at Urbana, including the subject requirements stated above, two years of pre-clinical work in the College of Medicine in Chicago (for these four years a B.S. degree may be given), two years of clinical work in the College of Medicine at Chicago, and one year as an interne in a hospital approved by the University. The registration at Urbana of students who have completed the requirements of the first two years of the medical curriculum (the pre-medical work) and who have done in residence at the University the last two semesters of such curriculum, is continued in the College of Medicine subject to the following conditions:

1. The student who wishes thus to continue his work in the University must signify his intention to the Registrar on a form provided by him not later than March 1 of the year in which he purposes to continue his work in the Chicago department.

2. The student must comply with the general regulations for registration in the University in the medical course. This includes the payment of fees in advance.

3. No student who is on probation in the University or who has been dropped for poor scholarship will be considered for continuance in the College of Medicine.

No conditions are permitted—The full requirements as listed above must be presented at the time of admission. No conditions are permitted.

HOW THE ENTRANCE REQUIREMENTS MAY BE MET

The high-school requirement may be satisfied either by certificate or by examination.

High-School Credits by Certificate

High-school credits will be accepted by certificate from the following sources:

1. From high schools and academies in the State of Illinois which are accredited to the University of Illinois.

2. From schools accredited by the North Central Association of College and Secondary Schools.

3. From schools accredited to the state universities which are included in the membership of the North Central Association of Colleges and Secondary Schools, provided the Illinois standard time requirements are met.

4. From high schools and academies registered by the Regents of the University of the State of New York.

5. From schools approved by the New England College Entrance Certificate Board.

6. From schools accredited by the Southern Association of Colleges and Secondary Schools.

7. From the state normal schools of Illinois and other state normal schools having equal requirements for graduation.

High-School Credits by Examination

High-school credits may be made by examination:

1. In the examinations conducted by the Registrar of the University of Illinois at the University in Urbana in January, July and September of each year.

2. In the examinations conducted by the Registrar of the University of Illinois, in Chicago, five times each year, about March 15, June 15, August 25, September 15, and December 15.

3. In the examinations conducted in June of each year by the College Entrance Examination Board.

4. In the examinations conducted by the Regents of the University of the State of New York.

COLLEGE CREDITS

College credits will be accepted *by certificate* from recognized colleges which require for admission the completion of at least 14 units of high-school work in an accredited high school or the full equivalent thereof, and for graduation, in addition, four years of college work; and also from recognized junior colleges and state normal schools.

A letter of honorable dismissal from the last collegiate institution attended is required.

COURSES OFFERED

While the minimum requirements for admission prescribe two years of liberal arts and science work, it is to the advantage of the student to present more than this amount of pre-medical work.

Attention is called to the fact that the University at Urbana offers the following choice of courses:

1. A course of nine years—four in the College of Liberal Arts and Sciences at Urbana, leading to the degree of Bachelor of Arts, followed by five years in the College of Medicine in Chicago, leading to the degree of Doctor of Medicine. This course of study is recommended to young men who can afford the time for it, and who are of the average age of graduation from the public high schools.

2. An eight-year course—three years in the College of Liberal Arts and Sciences at Urbana, followed by five years in the College of Medicine in Chicago. Students taking this course are permitted, at the end of their first year in the College of Medicine, to transfer credits in the medical sciences to complete the requirements for graduation of the College of Liberal Arts and Sciences and receive the degree of Bachelor of Arts. On the completion of five years in the College of Medicine they receive the degree of Doctor of Medicine.

NON-ILLINOIS STUDENTS

All applicants for admission to the College of Medicine, if not legal residents of Illinois, must present with their applications for admission, except as unclassified students or as students in the Graduate School, satisfactory evidence that they maintained at the school or college from which they would enter the University of Illinois, a scholastic average at least ten per cent above the passing grade of such school or college. In case of records which are not kept in numerical grades but in literal or other systems of grading, this requirement will be interpreted to mean an average of one grade above the passing grade, e.g., in a system of A, B, C ,and D, with D as the passing grade, the average must be C.

Non-state students can be accepted for admission to classes, when there are waiting lists, only provided there is room after all duly qualified applicants who are residents of the state have been accommodated.

RECORD OF MEDICAL WORK

A letter of honorable dismissal and a transcript of the record are required in all cases where there has been attendance in a medical school.

ADVANCED STANDING

The University will accept scholarship and time credits for work done in medical colleges having standards equal to those of the College of Medicine, in so far as this work coincides with or is full equivalent of the courses prescribed by the University.

The pre-medical work of the applicant must meet in full the admission requirements. This will be determined by the evaluation of his credits on the basis of transcripts obtained directly from the schools where they were earned.

The applicant must present a letter of honorable dismissal from, and be eligible for promotion in, the college in which he pursued his medical studies. His record must be of such character as to show a scholastic average at least ten percent above the passing grade of such college. In case of records which are not kept in numerical grades but in literal or other systems of grading, this requirement will be interpreted to mean an average of one grade above the passing grade, e.g., in a system of A, B, C, and D, with D as the passing grade, the average must be C.

Irregularities due to differences in the curriculum must be satisfactorily adjusted by the student during the first year of his attendance.

REGISTRATION

Students must register in the office of the secretary immediately upon the opening of the term for the work of that term, and credit will be allowed only for the subjects in which they are registered. Students will be registered in the order in which their fees are paid. Owing to limited space the number of students in each class is restricted to one hundred and thirty.

COLLEGIATE YEAR

The year is divided into two semesters of seventeen weeks each. Attendance upon the full session is required in order to secure credit for a year's work, and five years' attendance including a hospital course of not less than twelve months' duration or a year of research work is required for graduation.

FEES AND EXPENSES[1]

		Illinois Students	*Non-Illinois Students*
First Year—	Tuition	$130.00	$165.00
	Laboratory	35.00	35.00
	Total	(165.00)	(200.00)
Second Year—	Tuition	130.00	165.00
	Laboratory	35.00	35.00
	Total	(165.00)	(200.00)
Third Year—	Tuition	160.00	195.00
	Laboratory	5.00	5.00
	Total	(165.00)	(200.00)
Fourth Year—	Tuition	165.00	200.00
	Laboratory	5.00	5.00
	Total	(170.00)	(205.00)
	Grand Total	$665.00	$805.00

Students entering the University for the first time will be charged a matriculation fee of ten dollars in addition to the above.

A late registration fee of five dollars will be charged to students who do not present themselves for the payment of fees on the dates designated in the College calendar.

ADDITIONAL FEES

Diploma, $10.00. Copy of original transcript of record, $1.00; for each carbon copy of same fifty cents.[2]

LISTENERS OR VISITORS FEE.—The following fees are charged listeners or visitors in the courses of the College of Medicine: For each twenty-five clock hours, or fraction thereof, state students, $10.00; non-state students, $20.00.

NOTE.—County Hospital ticket, $5.00. Maternity Fee, Chicago Lying-In Hospital, $15.00.

All fees are payable in advance. The entire matriculation and laboratory fees are due and must be paid during the registration days of the first semester, together with one-half of the general fee. The remainder of the general fee is due and payable on the registration days of the second semester.

Exceptions to this rule will be made only with the approval of the proper administrative officer.

There are no fees for special courses or quizzes. No members of the instructional staff are allowed to accept special fees.

In case a student withdraws from the school within ten days after the beginning of the instruction the total amount of his fees except the matriculation fee will be refunded. After ten days and before the expiration of one month a refund of three-fourths of the tuition and laboratory fees will be made. After one month and before the expiration of two months a refund of one-half of these fees will be made. After two months and before the expiration of three months a refund of one-fourth of the fees will be made. After the expiration of three months no part of the fees will be refunded.

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[1] The term "year" in this schedule of fees refers to a period of instruction covering two terms of seventeen weeks each or the equivalent thereof.

All students taking Gross Anatomy are required to make a deposit of $10.00 for the use of a disarticulated skeleton. This deposit is returned to the student at the end of the year upon the return of the material.

The Trustees reserve the right to change the fees at any time through publication in the annual announcement.

[2] Each student is entitled to one transcript of record, without a fee, but he must pay for extras in the way of carbon copies supplied with the original transcript or for the second request for the original.

Alumni are admitted to all regular courses, without charges, except in laboratory work, in which a charge is made for material actually used.

Each student is required to provide himself with a compound microscope and a haemocytometer equipped to meet the requirements of the work of the curriculum.

Living Expenses

The expenses of living in Chicago are less than in most other large cities. From fifty to seventy-five dollars per month may be regarded as adequate for the ordinary living expenses of a student exclusive of books, clothing, railroad fare and miscellaneous needs.

The expense for books varies between $25.00 and $50.00 a year. The instructors at the beginning of each course direct their students in regard to the purchase of text-books.

Student Loan Funds

A number of loan funds have been established for the benefit of worthy students who are in need of financial aid in order to finish their courses in the University. For more detailed information apply to the Secretary of the College of Medicine.

SCHOLARSHIPS, LECTURESHIPS, PRIZES, ETC.

SCHOLARSHIPS

Rea Scholarships—Through the generosity of the late Professor R. L. Rea a fund has been provided for scholarships each year for worthy students. These scholarships are awarded annually by the officers of the Faculty.

For the session of 1927-1928, they were granted to the following students:

Michael B. Greenfield	Julius Prohovnik
Samuel H. Kraines	Samuel Shapiro

(For circulars giving more detailed information concerning scholarships, apply to the Registrar of the University, Urbana.)

The following undergraduate scholarships relieve the holder of the payment of the matriculation and tuition fees:

General Assembly Scholarships—One nomination annually by each member of the General Assembly. Under the law, nominations must be received by the President of the University not later than the first Monday in July of the year in which the scholarship is to become effective.

State Military Scholarships—For World War Veterans. Special provisions passed by the General Assembly in 1919.

THE WILLIAM BEAUMONT MEMORIAL FUND

Dr. Frank Smithies of Chicago has endowed an annual prize of $100 in memory of William Beaumont, the famous surgeon of the nineteenth century who made valuable contributions to the knowledge of the digestive system. The prize is awarded to the student or faculty member of the College of Medicine who submits the best original work in the study of diseases of the alimentary tract; it is administered by a committee appointed by the Dean of the College of Medicine. The second award was made on June 9, 1928, to Edward A. Boyden, Ph.D.

MEMORIAL LECTURESHIP

In commemoration of members of the Alumni, Faculty and Student Body who lost their lives during the World War, the Alumni, Faculty and Students have raised a fund sufficient to establish a Memorial Lectureship. One lecture is delivered annually by a prominent educator on a subject of general medical interest.

ADOLPH GEHRMANN LECTURESHIP

In accordance with the will of Mrs. Albertina Gehrmann, widow of the late Adolph Gehrmann, for many years Professor of Bacteriology and Hygiene in the College of Medicine, the sum of $10,000 was given for the establishment and support of a Lectureship in the College of Medicine of the University of Illinois, in memory of Dr. Gehrmann. The third of this series of lectures was given by Professor Haven Emerson, of Columbia University, on April 23-25, 1928, his subjects being, "Diphtheria in New York City," "The Prevention of Diabetes" and "Child Hygiene."

CHARLES S. BACON LECTURESHIP

Last year Dr. Charles S. Bacon on reaching the retiring age was made Professor Emeritus of Obstetrics. On this occasion the Members of the Faculty and friends of Dr. Bacon contributed the sum of $5,000 to found the Charles S. Bacon Lectureship in Obstetrics. The proceeds of this amount will be used to defray the expenses of a lecture each year to be given at the University of Illinois College of Medicine. It is intended that the initial lecture will be given some time during the collegiate year 1928-29.

A series of Medico-historical Lectures is held in the Library on alternate Wednesdays during the school year. These lectures are given by the members of the faculty of the College of Medicine and of the various related departments of Urbana and by Chicago physicians and distinguished visitors interested in medical history.

THE COURSE IN THE COLLEGE OF MEDICINE

REQUIREMENTS FOR GRADUATION

A candidate for graduation from the College of Medicine of the University of Illinois must meet the following requirements:

1. He must have presented acceptable evidence of good moral character.

2. He must have paid all indebtedness to the college.

3. In order to receive the degree of Bachelor of Science in Medicine he must have secured grades of not less than C or the equivalent in subjects aggregating at least three-fourths of the work leading to that degree.

4. In order to obtain the Certificate in Medicine he must have spent four years* in attendance, the last one at least of which must be in residence at the University of Illinois, completed the prescribed curriculum and secured grades of not less than C or the equivalent in subjects aggregating at least three-fourths of the work leading to the degree (whether taken at the University of Illinois or elsewhere).

5. In order to receive the degree of Doctor of Medicine he must in addition have satisfactorily completed a hospital course* of not less than twelve months' duration in a hospital affiliated with or approved by the University of Illinois, or a year of research work acceptable to the University.

Graduation With Honors

A student who complies with the requirements for graduation from the College of Medicine and who attains in all work done in courses offered in the college and presented for the degree, the average grade specified below, may be recommended by the University Senate for the honors stated: For an average grade of not less than 4.35, Graduation with Honors; for an average grade of not less than 4.75, Graduation with High Honors. The honors conferred shall be noted upon the diploma and commencement program.

The interpretation of this rule is carried out by the translation of the literal grade into figures as follows: A—5; B—4; C—3; D—2; E—1. The individual grades are multiplied by the respective number of semester hours which each represents and the total of these figures is divided by the number of semester hours in the curriculum for the B.S. degree and the first four years of the curriculum for the M.D. degree. The result is the student's average. If the average obtained is between 4.75 and 4.35, the student is entitled to Graduation with Honors. If the average obtained is 4.75 or higher, then the student is entitled to Graduation with High Honors.

GENERAL PLAN OF INSTRUCTION

During the first two years the work is, in the main, confined to the sciences fundamental to the practice of medicine, and the time of the student is largely devoted to laboratory work. During the first year this consists of work in anatomy, histology, embryology, neurology, chemistry, physiology and bacteriology. During the second year the study of physiology is continued and in addition the student takes up pathology, laboratory diagnosis, pharmacology, physical diagnosis, medicine, surgery and obstetrics.

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*See Medical Practice Act of the State of Illinois, Senate Bill No. 439, Approved June 30, 1923, Section 5 (b).

During the third and fourth years the time is largely devoted to the various clinical branches, emphasis being given to practical instruction in dispensary and hospital clinics.

In the fourth year clinical clerkships are established to be operated at one time for one-fourth of the class and for a period of two months. This one-fourth of the class is further divided into four sections, one section being assigned to Medicine, one to Surgery, one to Obstetrics and one to service in outside hospitals. The students on service in outside hospitals are excused from attendance on all lectures and clinics but are held responsible for the subject matter of the courses from which they have been excused.

The fifth year consists of a twelve months' interne service in a hospital affiliated with or approved by the University. Research work may be substituted for the hospital work of the fifth year.

Students are prohibited from doing work that interferes in *any way* with the fulfillment of the requirements of the curriculum. Unofficial clinical work may not be substituted for the official requirements of the curriculum.

Electives

In the second semester of the second year the student is required to elect six hours per week from the courses offered by the pre-clinical departments. If the student has a satisfactory scholarship record and can satisfy the head of a respective department as to his ability to pursue a definite line of endeavor, he may be permitted to register in the graduate school for one unit of work.

In the third year the student must elect two hours per week in each semester.

In the fourth year five and one-half hours per week of elective work must be taken from the optional subjects and at least one hour of these electives must be selected from the optional subjects in surgery.

This elective work of the third and fourth years may be either in pre-clinical or clinical subjects. A student may in this way emphasize his training in some particular subject or subjects. The elective may be counted for graduate credit provided the student registers in a course recognized for graduate credit by the graduate faculty and can satisfy the head of the department concerned as to his ability to pursue the work he proposes to undertake.

SEMESTER EXAMINATIONS REQUIRED

Examinations must be taken at the close of each semester on the work of the semester in all subjects except those whose character, in the opinion of the faculty, renders it unnecessary or impracticable. Other examinations are held as often as the necessities of the work require.

SIGNIFICANCE OF GRADES

The system of grading is as follows: A, excellent; B, good; C, fair; D, poor, but passing; E, failure.

EXAMINATION OF ABSENTEES

Absences from examinations count as failures. Exceptions to this rule may be made and a subsequent examination allowed by the Dean in cases where the absence is occasioned by sickness or other conditions which the student is unable to control.

REMOVAL OF FAILURES

A failure in a major subject (sixty-four clock hours) can be removed only by repetition of the subject in course either in this University or some other approved institution.

If the failure is removed by repeating the work at the University of Illinois, it must be made up the first time the course is presented. The student's total schedule including the repeated work may not exceed the normal schedule for the period, unless his record in all other courses averages B.

Students who may desire to make up failures by summer work elsewhere must receive the consent of the Head of the department and the Dean in advance. This consent will not abrogate the right of department heads to demand examinations in such cases as they deem necessary.

Provision for the removal of failures in minor subjects which total less than sixty-four clock hours will be made by the Head of the department concerned with the approval of the Dean.

Special examinations for the removal of failures in minor subjects are held during the week preceding the next collegiate year. These examinations may be taken only upon the recommendation of the Head of the department concerned with the approval of the Dean. Evidence of actual additional work done in a subject must be presented before permission is granted for a special examination. Only one examination in a given subject will be permitted.

RAISING OF D GRADES

A grade of D in a given subject may be raised, *first*, by satisfactory completion of work prescribed by the Head of the department concerned, such prescribed work being the equivalent in amount to the regular course; or, *second*, by repetition of the course with the earning of a higher grade.

SPECIAL EXAMINATIONS

Special examinations may not be taken for the purpose of raising grades in courses in which a student already has credit.

Special examinations will be allowed by arrangement with the Head of the department and the Dean when the examinations of the State Board where the student wishes to practice conflict with the dates of the final examinations of the University.

For all such examinations a permit must be obtained and a fee of $5.00 paid in advance. In the case of a subject which is continuous for more than one semester an examination covering a year's work may be allowed for a single fee ($5.00).

A student who has completed the work of a semester is considered to be still under registration for the purpose of this rule up to the end of the registration period for the next semester.

REFUSAL OF FURTHER REGISTRATION ON ACCOUNT OF POOR SCHOLARSHIP

A student, who, in any semester, receives failures in one-half the total number of hours in his course, shall be refused further registration in the College of Medicine.

RULES REGULATING READMISSION OF STUDENTS WHO MAY BE DROPPED FOR POOR SCHOLARSHIP

First or Second Year Students

First or second year students who have been dropped for poor scholarship and who wish to be considered for readmission will be so considered on presenting evidence that they have completed in the subjects specified below:

(a) 24 semester hours of work with an average grade of C (not more than 18 semester hours being completed in one semester), or

(b) 15 semester hours with an average grade of B

in an institution of the standard of the University of Illinois, *provided* there is no duplication of any work previously accepted for credit. At least one-half of the work in either alternative must be confined to the physical, chemical and biological sciences.

A student may be considered for readmission if he has completed in a class A medical school with an average grade of C all courses in which he received grades lower than C in the College of Medicine of the University of Illinois.

Third or Fourth Year Students

A third or fourth year student who has been dropped for poor scholarship may be considered for reinstatement to his status at the beginning of a later semester corresponding to the one in which he failed, after repetition and completion of one semester's work with an average grade of C, in subjects selected by the Dean.

All Students

Reconsideration of the case of a student dropped for poor scholarship does not guarantee readmission.

A student dropped for poor scholarship may be reinstated but once.

REPORTS

Reports on scholarship and attendance are mailed to all students as soon as possible after the end of each Semester.

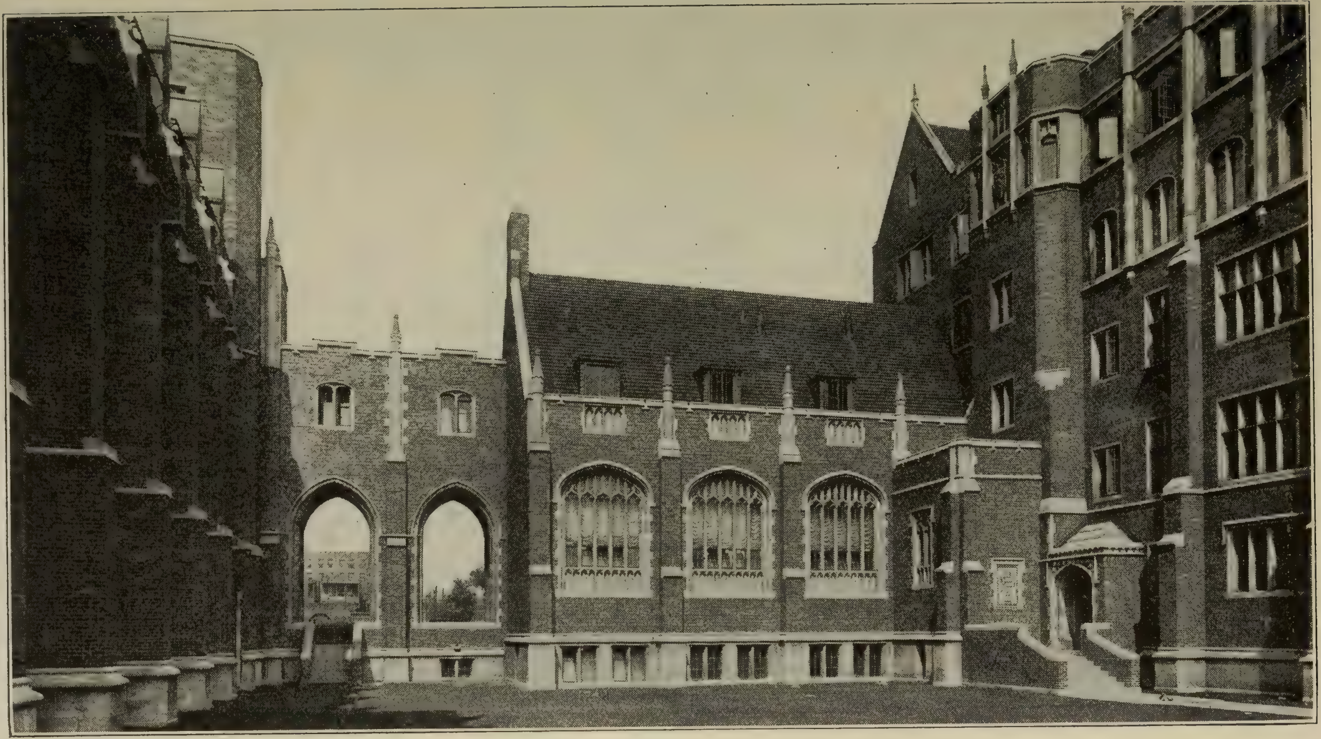
ADMISSION TO LICENSING EXAMINATIONS IN ENGLAND

On the recommendation of the Committee of Management of the Examining Board in England, the Royal College of Physicians and Surgeons has added the University of Illinois to the list of Universities whose medical departments are recognized by that Board. By this action, graduates of this institution are exempted from all preliminary examinations and admitted to the final licensing examination of the Examining Board.

CORRESPONDENCE

Address all correspondence to

The Secretary of the College of Medicine
University of Illinois
Congress and Honore Streets
Chicago



RESEARCH LABORATORY, LIBRARY AND PASSAGE WAY TO HOSPITAL

DESCRIPTION OF COURSES IN MEDICINE[1]

ANATOMY

Professors Emmel, Kampmeier, Boyden; Assistant Professor Cooper; Dr. Morgan, Dr. Crile, Dr. Streicher, Mr. Webb, Dr. Joranson, Dr. White, Dr. Burrows, Dr. Pilka, Dr. Fisch, Mrs. Fork, Mr. Miller, Miss Fitts

GENERAL STATEMENT

The laboratories for gross anatomy comprise two dissecting rooms and a number of smaller rooms for embalming, storing and prosecting. A plastic studio is situated in the Research Laboratory Building and is available for anatomical reconstruction work and the use of models for teaching purposes. The laboratories for histology, embryology, neurology and topographical anatomy are situated on the first, third and fourth floors of the Medical Building.

The offices and research laboratories are located on the fourth floor of the Research Building. The equipment includes apparatus for embalming, sectioning, macerating, corroding and digesting; microtomes, microscopes, paraffin ovens, drawing apparatus, chemicals, glassware and Grübler stains. A small museum contains special dissections, osteological preparations and models; sets of histological, neurological and embryological slides; charts, lantern slides and other teaching accessories. The former departmental library containing the standard texts, about two thousand five hundred special monographs and all the English, French and German anatomical journals, is now situated in the main Research Library. This, together with the Crerar Library, which is readily accessible, makes it possible to consult practically the entire literature of anatomy, biology and zoology.

Required Courses—First Year

1. Histology.—Microscopic Anatomy and differentiation of tissues. Lectures and recitations; 3: laboratory; 6 hours. *I.*

Professor Boyden, Dr. Morgan and assistants

2. Embryology.—General embryology, organogeny and teratogeny. Lectures and recitations; 3: laboratory; 6 hours. *I (first half).*

Professor Kampmeier, Dr. Morgan and assistants

3. Neurology.—The gross and microscopic anatomy of the nervous system including sense organs. Lectures and recitations; 3: laboratory; 6 hours. *I (second half).*

Professor Kampmeier, Dr. Morgan and assistants

4. Regional and Systemic Anatomy. — Complete dissection of the human body:

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[1] The Arabic numerals preceding the captions indicate the numbers of the courses. Unless otherwise specifically stated, the Arabic numerals following the descriptions of courses indicate the number of one-hour periods. The Roman numerals *I* and *II* indicate the number of semesters over which the course extends.

First semester (Dr. Emmel) (1) Superior and inferior extremities, (2) thorax; *Second semester* (Dr. Boyden) (3) head and neck, (4) abdomen and pelvis. Lectures and recitations; 1: laboratory; 2 three and one-half hour periods. *II.*

Professors Emmel, Boyden, instructors and assistants

Required Courses—Third Year

6. Topographical Anatomy.—Topography and relations of the various regions, systems and organs of the body. 3 two-hour periods. *I.*

Professor Kampmeier and assistants

Optional Courses

51. Microscopical Technic.—Preparation of objects; injecting blood vessels and lymphatics; maceration, digestion and corrosion, decalcification; fixation of tissues, embedding, sectioning, staining and mounting. 2 three-hour periods. *I.* Limited to a few qualified students.

52. Medical Illustrating.—Drawing, including perspective; values and their adaption to the representation of medical subjects; normal and pathological specimens, both gross and microscopic; media adapted for representing certain conditions and structures, and for special methods of reproduction, such as line work, half tone, and lithography. 2 three-hour periods. Limited to four students. Mr. Jones

54. Advanced Work in Regional Anatomy. The anatomy and correlated functional and clinical features of selected regions of the body. 2 three-hour periods *I.* Limited to forty-eight qualified students. Dr. Crile and assistants

Courses Preparatory to Specialization

(Special Fee)

62. **a. The Eye.**
- **b. The Ear.**
- **c. Mouth, Nose, and Throat.**
- **d. The Thorax and Abdomen.**
- **e. The Genito-Urinary System.**
- **f. Pelvic Anatomy.**
- **g. The Extremities,** especially the joints and their mechanism.
- **h. The Brain and Spinal Cord.**

Research.—Physicians who desire to do research and students who have had three years of university training are invited to begin research work in this department. A reading knowledge of French and German is essential.

65. Seminar. — Critical reviews of recent anatomical literature; preparation of bibliographies and of scientific papers for publication. Presentation and discussion of the results of investigations.

Courses for Graduates

101. Histogenesis and Experimental Morphology.—Cytological and morphological changes in the organism which are directly correlated with normal processes, such as reproduction, differentiation, nutrition, growth, variation, regulation, regeneration, activity, secretion, rest, fatigue and senility. *One or two units.*

Professors Emmel, Kampmeier, Boyden

103. Individual Research.—*One or two units.*

Professors Emmel, Kampmeier, Boyden

DERMATOLOGY

Professor SENEAR; Dr. WIEN, Dr. WEBER, Dr. CORNBLEET, Dr. SPINKA, Dr. LIFVENDAHL, Dr. KRASNOW

REQUIRED COURSE—THIRD YEAR

1. Practice.—Lectures, 1. *I.* Professor SENEAR, DR. WIEN

REQUIRED COURSES—FOURTH YEAR

2. Clinic.—1. *II.* Professor SENEAR

9. Clinic.—Dispensary. In sections. 3 one-hour periods. (*four weeks*). *I.* Professor SENEAR, Dr. WIEN, Dr. WEBER, Dr. CORNBLEET

OPTIONAL COURSES—FOURTH YEAR

50. Syphilis.—Diagnostic and therapeutic methods employed. 1. (*eight weeks*). *I.* Professor SENEAR, Dr. WIEN

51. Dermatology.—Special diagnostic and therapeutic methods. 1. (*eight weeks*). *I.* Professor SENEAR, Dr. WIEN

COURSE FOR GRADUATES

101. Research Work in Dermatology.—*One of three units.* Professor SENEAR

SOCIAL HYGIENE, CRIMINOLOGY AND MEDICAL JURISPRUDENCE

Professors ADLER, YARROS; Mr. BROTHERS, Mr. MILLS, Dr. SCHROEDER, Dr. MOHR

REQUIRED COURSES—THIRD YEAR

6. Medical Jurisprudence.—The principles of law governing individual and professional rights and obligations; responsibilities arising from the relation of physician and patients; confidential character and inviolability of such relation; medical laws of various states. Lectures, 1. *I.* Mr. BROTHERS

7. Social Hygiene.—Principles of social hygiene as applied to medical practice and prevention of disease; venereal and sexual problems. 1. (*eight weeks*). *I.* Professor YARROS

8. Mental Hygiene.—Mental hygiene in infancy and childhood. 1. (*eight weeks*). *I.* Dr. MOHR

COURSE FOR GRADUATES

101. Research Work in Juvenile Behavior.—*One to three units.* Professor ADLER

LARYNGOLOGY, RHINOLOGY AND OTOLOGY

Professor PIERCE; Associate Professor BECK; Assistant Professors HOLINGER, LEDERER; Dr. W. H. THEOBALD, Dr. LIVINGSTON, Dr. J. J. THEOBALD, Dr. BREDLAU, Dr. COOMBS, Dr. SCHNECK, Dr. HARNED, Dr. SHAPIRO, Dr. SPIESMAN

GENERAL STATEMENT

The fundamentals of diseases of the nose, throat and ear based on anatomy, physiology and pathology of these organs, and the clinical manifestations of their more common diseases furnish the basis of the work in this department. Stress is laid on the relationship of these special organs to the body as a whole in health and disease. Teaching is facilitated by laboratory studies of Bezold's large models of the ear, specially prepared models of the nose and ear, macerated specimens of the nose, throat and ear, by lantern slides and stereoptic demonstrations, and by actual examination of individuals in the out-patient department and in the hospital.

REQUIRED COURSES—THIRD YEAR

3. Practice.—The surgical anatomy, physiology and pathology of the ear, nose and throat. 1. *I.* Professor PIERCE

11. Practice—Diagnosis and treatment, including surgery of the ear, nose and throat. 1. (*ten weeks*). *I.* Professor PIERCE, Assistant Professor LEDERER

13. Dispensary.—Research Hospital. 3 two-hour periods. (*three weeks*). *I.* Professor PIERCE, Assistant Professor LEDERER, Dr. W. H. THEOBALD, Dr. J. THEOBALD, Dr. LIVINGSTON, Dr. BREDLAU, Dr. COOMBS, Dr. SCHNECK, Dr. SHAPIRO, Dr. HARNED

14. Clinic.—Research Hospital. 1 two-hour period. (*eight weeks*). I. Professor PIERCE, Assistant Professor LEDERER

OPTIONAL COURSES—FOURTH YEAR

50. Advanced Anatomy and Physiology of Ear, Nose and Throat.—8 hours. Professor PIERCE and Staff

51 (a). Studies in Development of the Otic Capsule.
(b). Development of the Pneumatic Spaces of the Nose and Ear.—8 hours. Professor PIERCE and Staff

53. Research and Experimental work in Otolaryngology.—8 hours. Professor PIERCE and Staff

COURSE FOR GRADUATES

101. Research Work in Laryngology, Rhinology and Otology. — *One to three units.* Professor PIERCE

MEDICINE

Professor WILLIAMSON, *Head of Department*

INTERNAL MEDICINE

Professors WILLIAMSON, PATTON, LEWISON, STRAUSS, KEETON; Associate Professors CHAUVET, MOORE; Assistant Professors FRICK, MEYER, PILOT, SINGER, WILSON, SAWYER; Dr. PERLSTEIN, Dr. WITTELLE, Dr. CIPRIANI, Dr. PROPST, Dr. VANDERKLOOT, Dr. FOLEY, Dr. FREILICH, Dr. GUNNAR, Dr. STREICHER, Dr. RABENS, Miss Kaplan, Dr. Birch, Dr. Goldwasser, Dr. Cohen, Dr. Mora, Dr. Kronenberg, Dr. Lifvendahl, Dr. Deuss, Dr. Ewing, Dr. Klemptner, Dr. Fisch, Dr. Apple, Dr. Doepp, Dr. Feldman, Dr. Fischer, Dr. Johnson, Dr. Bolotin, Dr. Bratrude, Dr. Dalitsch, Dr. Solomon

General Statement

The work in this department begins in the second year and extends through the third and fourth years. In the second year the student begins his work in internal medicine with the study of physical diagnosis on the normal subject. This is followed by the study of pathological cases. The class is divided into small groups, so that the instruction is individual. Coincident with this course the student takes up the study of laboratory diagnosis. A course in this subject lays the foundation for the practical clinical work in the dispensary, which begins in the third year and is carried through the fourth. In addition, didactic work in medicine is begun with lectures and conferences, special reference being made to the diseases of metabolism and the infectious diseases.

In the third year instruction is carried on partly by means of conferences and recitations and partly by clinics. This division of work enables the student not only to obtain systematic instruction in the fundamentals of internal medicine but also to see presented clinical cases bearing directly on this systematic instruction. At the same time he has opportunity to come into intimate contact with patients and to examine them in the dispensary under supervision. Stress is laid upon the student's personal examination and treatment of the cases.

In the fourth year instruction is carried on partly by means of conferences with group quizzes on the topics covered. This is a continuation of the work in the third year. A large part of the work, however, is clinical and is given not only in the Research Hospital but in the Cook County and Augustana Hospitals. In addition, practical work is given in the dispensary in the various medical specialties. Special emphasis is laid upon the clinical work in small groups. The bedside clinics, given to groups of not more than eight, bring the student into the closest relations with both patient and instructor.

In the fourth year the work is almost exclusively clinical in character. Clinics are held in the Research, Cook County and Augustana Hospitals, and every effort is put forth to make these of a thoroly practical nature. Especial stress is placed upon the coordination and interpretation of laboratory work. Dispensary work is also given in the specialties in the departments.

A Cardiac clinic has been established for several years and treats annually a large number of cases. It operates under Professor Strauss, in conjunction with other cardiac clinics in the City, as a member of the Association for the Prevention and Treatment of Heart Diseases.

Required Courses—Second Year

2. Physical Diagnosis.—Practical drill on normal subjects; given to small sections of the class. 1. *I.* 1 two-hour period. *I.*

Professor Lewison, Associate Professor Chauvet, Dr. Freilich

3. Practice.—Lectures and conferences with special reference to Diseases of Metabolism. 1. *I.* Professor Keeton

4. Practice.—Lectures and conferences. 2. *I.* Dr. PROPST

REQUIRED COURSES—THIRD YEAR

5. Practice.—A general survey of the important diseases as a foundation for the clinical courses. A continuation of the similar course of the second year. 2. *II.*
Assistant Professor SAWYER, Dr. CIPRIANI, Dr. VANDERKLOOT, Dr. DEUSS

6. Clinic.—Research Hospital. Selected topics. (To one-half the class.) 1 two-hour period. *I.* Professor WILLIAMSON

7. Clinic.—Research Hospital. Selected topics, with special reference to Diseases of Metabolism. (To one-half the class.) 1 one-hour period. *I.*
Professor KEETON

8. Clinic.—Research Hospital. Selected topics, with special reference to Diseases of the Heart. (To one-quarter the class.) 1 two-hour period. (*eight weeks*). *I.* Professor STRAUSS

9. Clinic.—Cook County Hospital. Tuberculous Wards. (To one-quarter the class.) 1 two-hour period. (*eight weeks*). *I.* Dr. FREILICH

10. Clinic.—Cook County Hospital. Selected topics. (To one-eighth the class.) 1 two-hour period. (*eight weeks*). *I.* Assistant Professor MEYER

11. Clinic.—Cook County Hospital. Selected topics. (To one-eighth the class.) 1 two-hour period. (*eight weeks*). *I.* Assistant Professor PILOT

12. Clinic.—Cook County Hospital. (To one-quarter the class.) 1 two-hour period. (*eight weeks*). *I.* Dr. PERLSTEIN

13. Clinic.—Research Hospital. Selected topics. (To one-quarter class.) 1 two-hour period. (*eight weeks*). *I.* DR. BIRCH

23. Physical Diagnosis Clinic.—Cook County Hospital. Tuberculosis Wards. (To small groups.) 1. *I.*
Professor LEWISON, Associate Professor CHAUVET, Dr. FREILICH

27. Clinic.—Dispensary. Practical work on out-patients, with special stress laid upon history taking. Most of the important diseases of an ambulatory nature common to the temperate zone may be seen here. (In sections.) 3 two-hour periods. (*three weeks*). *II.*

Professor KEETON, Associate Professor MOORE, Assistant Professors SINGER, WILSON, Dr. PERLSTEIN, Dr. WITTELLE, Dr. FOLEY, Dr. STREICHER, Dr. RABENS, Dr. COHEN, Dr. FISCH, Dr. DOEPP, Dr. DEUSS, Dr. FELDMAN, Dr. FISCHER, Dr. GUNNAR, Dr. GOLDWASSER, Dr. BRATRUDE, Dr. DALITSCH, Dr. BIRCH, Dr. SOLOWAY

OPTIONAL COURSES—THIRD YEAR

50. Diseases of the Gastro-intestinal tract.—Lectures and demonstrations. 1. *I.* Assistant Professor MEYER

51. Clinico-pathological lectures and demonstrations.—(Limited to one-eighth the class.) 1. (*eight weeks*). *I.* Assistant Professor SINGER

52. Clinic.—Research Hospital. Selected topics. (Limited to one-eighth the class.) 1. *I.* Dr. GUNNAR

53. Principles of Medicine.—Review course. 2. *I.*
Dr. Mora, Dr. Lifvendahl, Dr. Kronenberg

54. Clinic.—Diseases of the chest. Cook County Hospital. 1. *I.*
Dr. Freilich

Required Courses—Fourth Year

12. Seminar in the Classics of Medicine.—A study of the epoch-making contributions. (Individual assignments.) 1. *I.*
Professor Williamson, Dr. Foley, Dr. Birch, Dr. Streicher, Dr. Deuss

14. Practice.—Continuation of the course of study of previous year. Lectures illustrated with charts and lantern slides. Diseases of the lungs and pleura, first semester; diseases of the circulatory apparatus, second semester. 1. *II.*
Professor Lewison, Dr. Gunnar

16. Clinic.—Research Hospital. Selected topics. Special stress is laid upon the newer methods of diagnosis as applied to clinical medicine. (To one-half the class.) 1 two-hour period. *I.* Professor Williamson

18. Clinic.—Research Hospital. Selected topics. (To one-half the class.) 1 two-hour period. *I.* Associate Professor Moore

20. Clinic.—Augustana Hospital. Selected topics. (To one-fourth the class.) 1 two-hour period. (*eight weeks*). *I.* Assistant Professor Frick

21. Clinic.—Research Hospital. Selected topics, with special reference to laboratory methods. (To one-half the class.) 1 two-hour period. *I.*
Assistant Professor Singer

22. Ward Clinic.—Research Hospital. Selected topics, with special reference to the liver and biliary apparatus. (To one-quarter the class.) 1 two-hour period. (*eight weeks.*) *I.* Dr. Foley

24. Ward Clinic.—Research Hospital. Selected topics, with special reference to the gastrointestinal tract. (To one-quarter the class.) 1 two-hour period. (*eight weeks*). *I.* Dr. Streicher

25. Ward Clinic.—Cook County Hospital. Selected topics. (To one-half the class.) 1 two-hour period. *I.* Professor Keeton

39. Clinic.—Cook County Hospital. Selected topics with special reference to Diseases of the Circulatory Apparatus. (To one-half the class.) 1 two-hour period. *I.* Professor Strauss

Optional Courses—Fourth Year

55. Practical Therapeutics of Chest Diseases.—1. *I.* Professor Patton

56. Diseases of the Heart.—With special reference to the graphic methods. 1. *I.* Professor Strauss

57. Diseases of the Blood.—Demonstration course. Limited to fifteen students. 1. *I.* Associate Professor Moore, Dr. Birch

58. Practical Application of Blood Chemistry.—Demonstrations and practical work. (Limited to eight students.) 1 two-hour period. (*eight weeks*). *I.*

59. Clinical Parasitology.—(Limited to eight students.) 1 two-hour period. (*eight weeks*). *I.* Miss Kaplan

60. Principles of Medicine.—Review course. 2. *I.*
Dr. Mora, Dr. Lifvendahl, Dr. Kronenberg

Course for Graduates

101. Research Work in Medicine.—*One to three units.* Professor Williamson

NEUROLOGY AND PSYCHIATRY

Professors Singer, Hassin, Davis; Assistant Professors Diamond, Olkon; Dr Hulbert, Dr. Low, Dr. Solomon, Dr. Paskind

Required Course—Third Year

1. Neurology.—Didactic. 1. *I.*
Assistant Professor Olkon, Dr. Hulbert

Required Courses—Fourth Year

2. Neurology.—Lectures and demonstrations. 1. *I.* 2. *I.*
Professor Hassin

3. Dispensary.—8 two-hour periods. *I.*
Assistant Professors Diamond, Olkon, Dr. Hulbert, Dr. Low, Dr. Solomon, Dr. Paskind.

4. Psychiatry.—Lectures and case demonstrations. 1½. *I.*
Professors Singer, Davis

Optional Courses—Fourth Year

50. Neuropathology.—1. (*eight weeks*). *I.* (Given once in each semester; limited to one-half the class.) Assistant Professor Diamond, Dr. Low

51. Clinical Psychiatry.—Psychopathic Hospital. 1 two-hour period (*four weeks*). (Given twice each semester.) Professors Singer, Davis

PEDIATRICS

Professor Hess; Associate Professors Irish, Blatt; Assistant Professor Bower; Dr. Goldberger, Dr. I. M. Levin, Dr. Calvin, Dr. Borovsky, Dr. Greengard, Dr. Chamberlin, Dr. Rosenblum, Dr. Furby, Dr. Sherry, Dr. Leach, Dr. Saltiel, Dr. Engerman, Dr. Cohen, Dr. B. M. Levin, Dr. Pauker, Dr. Armstrong, Dr. Brody, Dr. Robins, Dr. Poncher, Dr. Brown, Dr. Gasul

General statement

The work in pediatrics is given in the third and fourth years. So far as possible the course is one of individual instruction, the class being divided into small groups for clinical work.

REQUIRED COURSES—THIRD YEAR

1. Practice and Clinic.—Nutrition and nutritional disturbances in infancy. Lectures; clinical conferences. 1. *I.* Professor HESS

4. Practice.—Recitations. 1. *I.* Associate Professor IRISH and assistants

5. Clinic.—Cook County Hospital. In groups. 1 one-hour period. (*eight weeks*). *I.* Dr. CALVIN

6. Clinic.—Cook County Hospital. In groups. 1 one-hour period. (*eight weeks*). *I.* Dr. ROSENBLUM

9. Clinic.—Cook County Hospital. Contagious diseases. In groups. 2. (*four weeks*). *I.* Assistant Professor BOWER, Dr. BOROVSKY

REQUIRED COURSES—FOURTH YEAR

10. Clinic.—Dispensary; Research Hospital. In sections. 3 two-hour periods (*four weeks*). *I.* Dispensary Staff

12. Clinic.—Cook County Hospital. In groups. 1 two-hour period. *I.* Professor HESS

13. Clinic.—Cook County Hospital. Physical diagnosis and demonstration of cases. In groups. 1 two-hour period. (*eight weeks*). *I.* Associate Professor IRISH

14. Clinic.—Cook County Hospital. In groups. 1 two-hour period. (*eight weeks*). *I.* Associate Professor BLATT

OPTIONAL COURSES—FOURTH YEAR

52. Clinical Pediatrics.—Research Hospital. 1. *I.* Dr. ROBINS, Dr. PONCHER

53. Laboratory Diagnosis—Research Hospital. 1 two-hour period. (*eight weeks*). *I.* Dr. ROBINS, Dr. PONCHER

54. Clinic.—Michael Reese Hospital. In groups. 1 two-hour period. (*four weeks*). *I.* Professor HESS

56. Pediatrics.—Mental Hygiene in infancy and childhood. 1. (*eight weeks*). *I.* Dr. MOHR

COURSE FOR GRADUATES

101. Research Work in Pediatrics.—*One to three units.* Professor HESS

ROENTGENOLOGY

Professors HARTUNG, BACHEM

REQUIRED COURSE—FOURTH YEAR

4. Roentgenology.—Practice and demonstration in the use of X-ray in medicine and surgery. 2. *I.* Professor HARTUNG

OPTIONAL COURSE—FOURTH YEAR

50. Principles of Physiotherapy.—X-ray, radium, ultra-violet, diathermy, etc 1. *I.* Professor BACHEM

HISTORY OF MEDICINE

Dr. CIGRAND

OPTIONAL COURSE—FOURTH YEAR

51. History of Medicine.—1. *I.* Dr. CIGRAND

OBSTETRICS AND GYNECOLOGY

Professor FALLS, *Head of the Department*

Associate Professor FISCHMANN; Assistant Professors LANG, HAMMOND, STONE, LACKNER; Dr. NEWBERGER, Dr. JUHNKE, Dr. HOFFMAN, Dr. LASH, Dr. THEISEN, Dr. FITZGERALD, Dr. ROSE, Dr. GROOT, Dr. MARTIN, Dr. HARK, Dr. MCGUIRE, Dr. MARYAN, Dr. SKILES, Dr. LITT, Dr. BACON, Dr. BUSBY, Dr. BULLOCK, Dr. GRANGER, Miss MCLAUGHLIN

OBSTETRICS

GENERAL STATEMENT

The course in obstetrics is presented in the second, third and fourth years.

In the second year the student is given a series of lectures and quizzes and is assigned collateral reading covering the anatomy, embryology and physiology of pregnancy and the puerperium.

In the third year in connection with manikin, laboratory and dispensary courses, lectures and quizzes on the pathology of pregnancy and the puerperium are presented.

In the fourth year amphitheater clinics in the Research and Educational Hospital with demonstrations and operations are given to groups, together with bedside clinics. In addition each student is required to spend two weeks full time service as a clinical clerk in the department.

Other clinical instruction in the nature of ward walks and demonstrations is given to small groups at the Cook County Hospital, Mt. Sinai Hospital, and the Chicago Lying-in Hospital and Dispensary.

Fourth year students are required to take two weeks in residence in the outpatient service of the Chicago Lying-in Hospital and dispensary where ample opportunity for practical experience in the delivery of patients in the home under proper supervision is afforded. A fee of fifteen dollars, payable in advance at the dispensary, is charged for this course. For those who cannot be accommodated in this course a two-week externeship at the Research and Educational, and Augustana Hospitals has been provided.

Clinical clerkships involving daily attendance in the wards from 8 a. m. to 12 m. for two weeks are arranged for seniors. Training in history writing, assisting in the operating and delivery rooms, and in the giving of anaesthetics is provided.

REQUIRED COURSES—SECOND YEAR

1. Physiology of Pregnancy and Labor.—2. *I.*

Assistant Professor HAMMOND, Dr. THEISEN, Dr. FITZGERALD, Dr. MARTIN, Dr. SKILES, Dr. LITT

REQUIRED COURSES—THIRD YEAR

2. Pathology of Pregnancy and Labor and the Puerperium.—Lectures, quizzes and demonstrations. 2. *I.*

Professor FALLS, Assistant Professor LACKNER, Dr. ROSE, Dr. MCGUIRE, Dr. NEWBERGER, Dr. MARYAN

3. Manikin.—Obstetrical operations are demonstrated and practice is afforded the student to do the operations on the manikin under supervision and to become thoroughly familiar with the instruments and technique of such operations. The work is given to small groups so that individual instruction is possible. One fourth class. 1 two-hour period (*eight weeks*). *I.*

Assistant Professor HAMMOND, Dr. NEWBERGER, Dr. MARTIN, Dr. ROSE, Dr. THEISEN

4. Clinics.—Clinics are held for small groups at Cook County Hospital, Mt. Sinai Hospital, Research and Educational. Hospital. 1 two-hour period. (*eight weeks*). *I.* Professor FALLS, Dr. FITZGERALD, Dr. LASH, Dr. NEWBERGER

7. Dispensary out-clinic.—3 two-hour periods. (*three weeks*). *I.*

Dr. ROSE, Dr. GROOT, Dr. MARTIN, Dr. THEISEN, Dr. HARK, Dr. MARYAN, Dr. LITT, Dr. BUSBY, Dr. BULLOCK

OPTIONAL COURSES—THIRD YEAR

(Will not be given for less than 5 or more than 15 students)

50. Toxemias of Pregnancy.—1. *I.*	Assistant Professor LACKNER
51. Physiology of Pregnancy.—1. *I.*	Dr. GROOT
52. Puerperal Sepsis.—1. *I.*	Dr. NEWBERGER
53. Sterility and Conception.—1. *I.*	Dr. MARTIN
54. Review Course.—1. *I.*	Dr. HARK

REQUIRED COURSES—FOURTH YEAR

10. Clinic.—Research and Educational Hospital. To small groups. 1 two hour period. (*eight weeks*). *I.* Professor FALLS

15. Obstetrical Laboratory.—The student studies gross and microscopic specimens of the more common obstetrical complications such as Ruptured uterus, Ablatio placenta, Puerperal sepsis, Ectopic pregnancy, Hydatid and blood moles, and various diseases and abnormalities of the fetus and newborn. Bacteriological as well as pathological material is presented and fresh specimens when available. 1 two-hour period. (*four weeks*). *I.*

Dr. LASH, Dr. THEISEN, Dr. HARK, Dr. LITT

OPTIONAL COURSES—FOURTH YEAR

(Will not be given for less than 5 or more than 15 students)

55. Obstetrical Pathology.—1. *I.*	Dr. LASH
56. Heart Complications in Pregnancy.—1. *I.*	Dr. FITZGERALD
57. Manikin.—1. *I.*	Dr. HARK
58. Review Course.—1. *I.*	Dr. ROSE

COURSE FOR GRADUATES

101. Research Work in Obstetrics and Gynecology.—*One to three units.*
Professor FALLS

GYNECOLOGY

GENERAL STATEMENT

The course in gynecology is presented in the fourth year. It includes lectures and quizzes, laboratory and demonstration, seminar, ampitheater clinic and dispensary clinic.

The student has been given the fundamentals of the anatomy and physiology and pathology of the subject in connection with his obstetrical work in the third year.

The didactic work consists of lectures and quizzes to half the class throughout the year. The seminar work is conducted in small groups and is designed to familiarize the student with the sources of information on this subject. Complete files of the important journals are available in the main library. Students prepare and present papers on gynecological subjects and these are discussed by the group.

The clinical work consists of clinics at the Cook County, Michael Reese and the Research and Educational Hospitals. Bedside instruction, stressing preoperative preparation and post-operative treatment, is presented to small groups.

In the out-patient dispensary the student is trained in history taking, gynecological examinations, and the treatment of ambulatory patients.

REQUIRED COURSES—FOURTH YEAR

1. Lecture and quiz.—1. *II.*

Professor FALLS, Associate Professor FISCHMANN, Assistant Professors STONE, LACKNER

4. Seminar.—1. (*eight weeks*). *I.*

Assistant Professor LANG, Dr. HOFFMAN

7. Clinic.—Cook County Hospital. Operative and demonstration course. 1 two-hour period. (*eight weeks*). *I.* Professor FALLS

15. Clinic Dispensary.—Small groups are instructed in history taking and physical examinations and are permitted to treat minor gynecological complaints under supervision. 3 two-hour periods. (*three weeks*). *I.*

Associate Professor FISCHMANN, Assistant Professors LANG, HAMMOND, STONE, Dr. JUHNKE, Dr. HOFFMAN, Dr. LASH, Dr. MCGUIRE, Dr. BUSBY

16. Gynecological Laboratory.—Gynecological pathology is studied from gross and microscopic specimens. 1 two-hour period. (*four weeks*). *I.*

Dr. LASH, Dr. THEISEN, Dr. HARK, Dr. LITT

OPTIONAL COURSES—FOURTH YEAR

50. Pelvic Neoplasms.—1. *I.*	Associate Professor FISCHMANN
51. Pelvic Inflammation.—1. *I.*	Dr. LASH
52. Uterine Hemorrhages.—1. *I.*	Associate Professor STONE
53. Menstrual Disorders.—1. *I.*	Dr. JUHNKE

56. Preoperative and Post-operative Gynecological Treatment.—1. *I.*
Assistant Professor Lang

57. Gynecological Diagnostic Methods.—1. *I.* Assistant Professor Lackner

OPHTHALMOLOGY

Assistant Professor Beard; Dr. Folk, Dr. Greenwald, Dr. Cohen, Dr. Wolf, Dr. Buckingham

Required Courses—Fourth Year

1. Clinic and Practice.—Dispensary, clinic, and laboratory course. This includes the normal and pathological anatomy of the eye, practice in the use of ophthalmoscope, perimeter, focal light and test charts, and the study of those eye diseases which the general practitioner most frequently encounters. The student is especially trained in the taking of histories of eye patients. 5 two-hour periods. (*four weeks*). *I.* Dr. Folk, Dr. Greenwald

2. Didactic Ophthalmology.—Stereopticon demonstrations and quizzes. 1. *I.*
Assistant Professor Beard, Dr. Folk

Optional Course—Fifth Year

50. Ophthalmology.

1. Methods of Clinical Examinations (9-12 a. m. daily), 12 months.

2. Study of classical monographs and preparation of 25 case-histories for "The National Board of Ophthalmic Examinations" (2-5 p. m. daily), 4 months.

Physicians' Extension Courses in Ophthalmology

6. Clinical Course.—Designed for those who wish to take up ophthalmology as a specialty. The course affords individual training in standardized methods. The work is of a practical case-study nature.

A given method or process, such as retinoscopy or perimetry, is first explained and demonstrated. The physician is then assigned a case in which the data have been previously determined by the instructor. The physician makes an independent study and reports his findings to the instructor for criticism and grading. The process is continued until a reasonable degree of accuracy has been attained. Only one process is studied at a time. Processes taught are: I. Determination of Central Visual Acuity, Neutralization of Lenses, Retinoscopy, Refraction (with Cycloplegia and without), Tonometry, Determination of Degrees of Strabismus or Paralysis, Types of Discs (Elschnig's Classification). II. Measurement of Disc Levels, Perimetry, Objective Findings in External and Fundus Disease, Case-History Writing and Diagnosis, Prognosis, and Treatment of a given case as a whole. This course extends over twelve months. The first four months' work covers the first seven processes, the second four months covers the next four, and the last four months complete the course. Pathology is taken with undergraduate students. In the third period classical monographs are abstracted. Hours: 9 to 12 a. m., 6 days per week. The Staff

The fee for each period of four months is $50.00.

7. Pathology of the Eye.—Four months. Hours to be arranged. *I.*
Assistant Professor Beard

PATHOLOGY AND BACTERIOLOGY

Professors Davis, Petersen; Associate Professors Arnold, Fennel; Assistant Professors Pilot, Levinson, Hull, Goldberg; Dr. Rappaport, Dr. Bengtson, Dr. Becker, Dr. Bohrod, Dr. Kleppe, Mr. Lepak, Mr. Moore, Miss Paulsen, Miss Wise

Required Course—First Year

1. General Bacteriology and Protozoology.—Pathogenic bacteria and protozoa. Immunity. Lectures, demonstrations; 2: laboratory; 6 hours. *I.*
Professor Davis, Associate Professor Arnold, Assistant Professor Pilot and assistants

Required Courses—Second Year

2. General Pathology and Pathological Histology.—General pathology; gross and microscopic study of fresh and preserved pathological material. Lectures, recitations, demonstrations; 3: laboratory; 8 hours. *I.*
Professor Petersen, Associate Professor Fennel, Assistant Professor Levinson and assistants

4. Clinical Pathology.—Chemical and microscopical examination of urine, feces and blood, with special emphasis on technique. Lectures and demonstrations; 1: laboratory. 4. *I.* Dr. Rappaport, Dr. Bengtson and assistants

5. Preventive Medicine.—An introductory course. General principles of prevention of disease. Epidemiology. 2. *I.*
Associate Professor Arnold, Assistant Professor Hull

Required Courses—Third Year

***21. Clinical Pathology.**—Microscopic, bacteriological, and chemical examination of blood, urine, sputum, feces, stomach contents, exudates, etc. Lectures and demonstrations; 1: laboratory; 2. *I.*
Dr. Rappaport, Dr. Bengtson and asistants

24. Autopsies.—Routine postmortem examinations, practical work and demonstrations. 1 two-hour period. *I.*
Professor Petersen, Assistant Professors Pilot, Levinson

25. Special Pathology.—Gross and microscopic examination of pathological material, postmortem bacteriology and experimental pathology. 1 three-hour period. *I.*
Professor Petersen, Assistant Professors Pilot, Levinson

27. Preventive Medicine.—An advanced course. Prevention of disease as applied to the specific diseases and the specialties. Lectures and demonstrations; 2. *I.* Professors Davis, Singer, Yarros, Associate Professor Arnold

Required Course—Fourth Year

29. Public Health.—Organization of health departments and the work of the divisions of the same; vital statistics, inspection of schools and factories; sanitation, food supply and control; public welfare. Lectures and practical work. 4. (*eight weeks*). *I.* Dr. Becker

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*Not to be given after 1928-29.

Optional Courses

50. Pathology, Bacteriology and Immunity of Tuberculosis.—6. *I.* (second semester). Professor Petersen, Assistant Professor Levinson

51. Advanced Work and Research.—(Limited to properly qualified students.) 6. *I.* Professors Davis, Petersen, Associate Professor Arnold

52. Advanced Work in Special Diagnostic Laboratory Methods.—(Limited to a few qualified students.) 6. *I.* Assistant Professor Pilot, Dr. Rappaport

55. Diagnosis of Tumors.—(Open to students who have had courses in general and special pathology.) 6. *I.* ——————

Courses for Graduates

101. Advanced Pathogenesis.—Pathology and Bacteriology. *One or two units.* Professor Petersen

105. Individual Research.—*One or two units.* Professor Davis, Professor Petersen

PHARMACOLOGY, MATERIA MEDICA AND THERAPEUTICS

Professor McGuigan; Assistant Professor Camp; Dr. Ets

Required Courses—Second Year

(*Prerequisites:* Physiology, Course No. 4, or equivalent; Physiological Chemistry, Course No. 6 or equivalent.)

1. Pharmacology.—Lecture; 1: laboratory; 2. *I.* Professor McGuigan, Assistant Professor Camp, Dr. Ets

4. Pharmacology.—Lecture or quiz; 2: laboratory; 4. *I.* Professor McGuigan, Assistant Professor Camp, Dr. Ets

Required Course—Third Year

5. General Therapeutics and Pharmacy.—2. *I.* Professor McGuigan

Optional Courses—Second Year

(*Minimum registration:* 5 students for each course)

50. History of Pharmacology and Toxicology.—Review of modern books pertinent to the subject. 3. *I.* (Second semester.) Professor McGuigan, Assistant Professor Camp, Dr. Ets

51. Materia Medica.—Prescription writing. 3. *I.* (Second semester.) Professor McGuigan, Assistant Professor Camp, Dr. Ets

52. Toxicology.—Symptomatology, pathology, treatment and identification of poisons. 3. *I.* (Second semester.) Professor McGuigan, Assistant Professor Camp, Dr. Ets

53. Systemic Pharmacology.—(a) Eye, (b) digestive system, (c) respiratory system, (d) autonomic nervous system, (e) blood, (f) circulatory organs, heart and kidneys. 3. *I.* (Second semester.)

Professor McGuigan, Assistant Professor Camp, Dr. Ets

Courses for Graduates

101. Advanced Pharmacodynamics.—*One or two units.* Professor McGuigan

103. Research Work in Pharmacodynamics.—*One or two units.*

Professor McGuigan

PHYSIOLOGY AND PHYSIOLOGICAL CHEMISTRY

Professors Dreyer, Welker; Associate Professors Bergeim, Oslund; Assistant Professor Reed; Dr. Cole, Mr. Henry, Mr. Boor, Mr. Johnson, Mr. Shaw, Mr. Nammacher, Mr. Thomas, Mr. Burns, Mr. Freeman, Mr. Vessey

General Statement

The course in physiology is articulated with the other subjects in the curriculum to secure the maximal degree of correlation. Due emphasis is placed on the laboratory work. The standard equipment, as ordinarily provided for the fundamental experiments of the science, is supplemented by special apparatus for the study of clinical problems relating to circulation, respiration, vision, and the nervous system.

The laboratory exercises are selected not only to illustrate and to vitalize the subject-matter of the didactic course, but also to supply the useful technical training and to develop interest in the methods and problems of original investigation. Facilities and equipment are available for those who desire to take advanced work or engage in research.

For the work in chemistry, three laboratories are equipped for routine instruction. Additional rooms for the preparation of class work and for metabolism experiments are connected with these laboratories. Research and graduate work are conducted in the Research Laboratory and Library Building. For the use of advanced students and investigators the nucleus of a chemical library, embracing the principal works of reference, is kept in the laboratory. The main library contains complete files of the more important journals of biochemistry.

Required Courses—First Year

4. Physiology.—Blood and lymph, muscle and nerve, circulation. Lectures and recitations; 3: demonstration and laboratory; 3. *I.*

Professor Dreyer, Associate Professor Oslund, Assistant Professor Reed and assistants

6. Physiological Chemistry and Toxicology.—Lectures, demonstrations, conferences; 2½: laboratory; 7½. *I.*

Professor Welker, Associate Professor Bergeim, Dr. Cole, Mr. Boor, Mr. Johnson and assistants

Required Course—Second Year

5. Physiology.—Respiration, secretion, digestion and absorption, excretion, metabolism, special senses, central nervous system. Lectures, recitations, demonstrations; 3: laboratory; 4. *I.*

Professor DREYER, Associate Professor OSLUND, Assistant Professor REED and assistants

OPTIONAL COURSES

(*Prerequisites:* In physiology, courses 4 and 5, in chemistry, course 6.)

51. Advanced Laboratory Work.—Physiological demonstrations and research; graphic methods. 3. *I.*

Professor DREYER, Associate Professor OSLUND, Assistant Professor REED

53. Internal Secretion.—3. *I.* Associate Professor OSLUND

54. Gastro-Intestinal Tract.—3. *I.* Assistant Professor REED

55. Physiology of the Special Senses.—3. *I.* Professor DREYER

60. Special Topics in Biochemistry.—Blood analysis. Vitamine studies. Methods and clinical significance. Associate Professor BERGEIM, Dr. COLE

61. Physical Chemistry.—The elements of physical chemistry and their application to biology and medicine. Prerequisite: Quantitative analysis. Dr. COLE

62. Preparation of Pure Proteins.—6. *I.* Professor WELKER

63. Physiological Seminar.—Members of the teaching staff and advanced students meet weekly to discuss special topics suggested by current research and the journal literature.

65. Biochemical Seminar. — The members of the teaching staff and graduate students in physiological chemistry meet weekly to discuss the current literature.

Research.—The laboratories are open to persons with the requisite scientific training for the conduct of original investigations under the direction of the members of the staff.

COURSES FOR GRADUATES

101. Advanced Biological Chemistry.—Biochemical methods of research, biological colloids, enzyme action and metabolism. *One or two units.*

Professor WELKER, Associate Professor BERGEIM

103. Biochemical Research.—*One or two units.*

Professor WELKER, Associate Professor BERGEIM

105. Advanced Physiology.—An introduction to original work in Experimental Physiology. Individual instruction in fundamental methods. Laboratory course.—*One or two units.* Associate Professor OSLUND

109. Research Work in Physiology.—*One or two units.*

Associate Professor OSLUND

SURGERY

Professor HEDBLOM, *Head of Department*

GENERAL SURGERY

Professors HEDBLOM, HUMISTON, PERCY, SCHULTZ, DYAS, PHIFER; Associate Professors ANDREWS, DE TARNOWSKY; Assistant Professors DAVENPORT, ZIMMERMAN, NADEAU, METZ, MCARTHUR, JIRKA, JONES, BAMBERGER; Dr. SULLIVAN, Dr. KOUCKY, Dr. SEED, Dr. CRILE, Dr. GRAHAM, Dr. KORDENAT, Dr. HEAD, Dr. WERNICKE, Dr. AMBERSON, Dr. B. R. PARKER, Dr. MORA, Dr. JOANNIDES, Dr. MEYER, Dr. ODEN, Dr. BARSS, Dr. WILLIS, Dr. BRAUDE, Dr. M. L. PARKER, Dr. COTTAM

GENERAL STATEMENT

Instruction in surgery is begun in the second semester of the second year and continues throughout the third and fourth years.

In the second semester of the second year a course of lectures and demonstrations is given touching on the history of surgery and outlining the fundamental principles of surgery with special reference to asepsis, anaesthesia, wound healing, shock, hemorrhage and some of the infectious conditions.

In the third year, instruction consists of a systematic course in regional surgery, instruction in history taking, minor surgery and surgical dressings in the dispensary, and of clinical and operating room demonstrations in which diagnosis, surgical indications and pathology are chiefly stressed.

In the fourth year the clinical and operating room demonstrations continue and each student is required to serve for a stated period as clinical clerk in the surgical wards of the hospital. During this period, the student is required to take histories, do physical examinations under the supervision of members of the staff on cases assigned to him. He is also expected to be present at operations on patients he has studied, to make a careful study of any pathological specimens removed, to follow the patient's convalescence and to embody his observations together with the result of collateral reading bearing on the case in the case history which he submits as the basis for credit. The student is also expected to be present at all post-mortems performed at the hospital during the period of his clerkship.

In addition to the above mentioned required work, optional courses are offered including surgical anatomy, operative surgery on the cadaver and on animals and in some of the surgical specialties.

REQUIRED COURSE—SECOND YEAR

1. Fundamental Principles of Surgery.—Asepsis, Anaesthesia, Shock, Hemorrhage, Septicemia, Surgery of the Skin, Blood Vessels and Lymphatics and Surgical Dressings. 2. *I.*

REQUIRED COURSES—THIRD YEAR

2. Regional Surgery and Surgical Pathology.—Conferences, demonstrations, recitations. 2. *II.*

Professor PHIFER, Assistant Professor BAMBERGER, Dr. SEED, Dr. SULLIVAN

5. Surgical Diagnosis.—Research and Educational Hospital. 1. *I.*

Professor HEDBLOM

6. Clinic.—Research and Educational Hospital. 1 two-hour period. (*eight* weeks). *I.*

Associate Professor ANDREWS

7. Clinic.—Dispensary. Research and Educational Hospital. History taking, Diagnosis, Minor Surgery and Surgical Dressings. 3 two-hour periods. (*three weeks*). *II.*

Assistant Professor BAMBERGER, Dr. SEED, Dr. KOUCKY, Dr. KORDENAT, Dr. AMBERSON, Dr. MEYER

11. Clinic.—Cook County Hospital. 1 two-hour period. (*eight weeks*). *I.*

Professor DYAS

13. Clinic.—Augustana Hospital. 1 two-hour period. (*eight weeks*). *I.*

Professor PERCY

OPTIONAL COURSES—THIRD YEAR

50. Principles of Surgery.—A review course. 2. *I.* Dr. MORA, Dr. B. R. PARKER

52. Operative Surgery of the Abdomen.—1. *I.* Dr. GRAHAM, Dr. BRAUDE

53. Surgery of Fractures.—2. *I.* Dr. CRILE

54. Preoperative and Postoperative Treatment.—1. *I.* (Minimum number, six students). Assistant Professor NADEAU

55. Anaesthesia, Blood Transfusion, Surgical Dressings, and Bandaging.—Individual instruction and demonstration. 1. *I.* Dr. HEAD

56. Special Features.—Lectures, Recitations, Conferences. 2. *I.* Assistant Professor DAVENPORT

57. Surgical Diagnosis.—1. *I.* Dr. KORDENAT

REQUIRED COURSES—FOURTH YEAR

20. Clinic.—Research and Educational Hospital. 1 two-hour period. (*eight weeks*). *I.* Professor HEDBLOM

21. Surgical Diagnosis.—1 one-hour period. (*eight weeks*). *I.* Professor HUMISTON

22. Clinic.—Research and Educational Hospital. 1 two-hour period. (*eight weeks*). *I.* Dr. SEED

23. Clinic.—Research and Educational Hospital. 1 two-hour period (*eight weeks*). *I.* Dr. KOUCKY

24. Clinic.—Cook County Hospital. 1 two-hour period. (*eight weeks*). *I.* Professor DYAS

25. Clinic.—Washington Boulevard Hospital. 1 two-hour period. (*eight weeks*). *I.* ————————

26. Surgical Pathology.—Laboratory. 1 two-hour period. (*eight weeks*). *I.* Assistant Professor NADEAU, Dr. HEAD

28. Clinic.—Cook County Hospital. 1 two-hour period. (*eight weeks*). *I.* Assistant Professor DE TARNOWSKY

32. Clinic.—Augustana Hospital. 1 two-hour period. (*eight weeks*). *I.* Professor PERCY

33. Clinic.—St. Luke's Hospital. 1 two-hour period. (*eight weeks*). *I.* Assistant Professors JONES, MCARTHUR

36. Clinic.—Cook County Hospital. 1 two-hour period. (*eight weeks*). *I.* Assistant Professor JIRKA

OPTIONAL COURSES—FOURTH YEAR

51. Regional Surgery.—A review course. 2. *I.* ————————

58. Surgery of the Central Nervous System.—1. *I.* Assistant Professor DAVENPORT

59. Surgery of the neck.—1. *I.* Dr. SEED

60. Surgery of the Thorax.—1. *I.* Professor HEDBLOM, Dr. HEAD

61. Surgery of the Abdomen.—1. *I.* Professor HUMISTON

62. Surgery of Hernia.—Lectures, lantern slide demonstration.—1. *I.*
Associate Professor ANDREWS

63. Surgery of Fractures.—1. *I.* Professor THOMAS

64. Surgery of the Spleen and Anaemias.—1. *I.* Professor PERCY

65. Surgical Diseases of the Bladder.—1. *I.* Professor MCKENNA

66. Operative surgery on the cadaver.—Regional Surgical Anatomy. Individual demonstration. 1 two-hour period. *I.* Dr. CRILE

67. Seminar.—Intensive study of a subject of the student's own selection. 1 two-hour period. *I.* Associate Professor ANDREWS

68. Operative surgery on animals.—1 two-hour period. *I.* Dr. KOUCKY

69. Regional Surgical Anatomy.—1 two-hour period. *I.* Dr. CRILE

70. Research on assigned problems to those qualified.
Professor HEDBLOM and staff

COURSE FOR GRADUATES

101. Research Work in Surgery.—*One to three units.* Professor HEDBLOM

GENITO-URINARY SURGERY

Professor MCKENNA; Assistant Professors HERROLD, O'CONOR; Dr. HIRSCH, Dr. VAN HAZEL

REQUIRED COURSES—THIRD YEAR

3. Practice.—Conferences, recitations. In sections. 1. *I.*
Professor MCKENNA, Assistant Professors HERROLD, O'CONOR, Dr. VAN HAZEL

5. Clinic.—Dispensary. In sections. 3 two-hour periods. (*three weeks*). *I.*
Professor MCKENNA, Dr. VAN HAZEL, Dr. HIRSCH

OPTIONAL COURSE—THIRD YEAR

50. Advanced Genito-Urinary Surgery.—1. *I.*
Professor MCKENNA, Assistant Professor HERROLD, Dr. HIRSCH

REQUIRED COURSES—FOURTH YEAR

12. Clinic.—Washington Boulevard Hospital. Individual instruction in the diagnosis of genito-urinary diseases, including cystoscopy, catheterization of the ureters, interpretation of roentgenograms and of chemical and microscopical urinalyses. In sections. 1 two-hour period. (*four weeks*). *I.*
Assistant Professor O'CONOR

13. Clinic.—Research and Educational Hospital. In sections. 1 two-hour period. (*four weeks*). *I.* Professor MCKENNA

OPTIONAL COURSE—FOURTH YEAR

51. Surgery of the Genito-Urinary tract.—1. *I.*
Professor MCKENNA, Assistant Professor O'CONOR

ORTHOPEDIC SURGERY

Professor Thomas; Assistant Professor Hobart; Dr. Murphy, Dr. Hauser, Dr. Marshall

Required Courses—Third Year

3. Practice.—Conferences, recitations. In sections. 1. *I.*
Professor Thomas, Assistant Professor Hobart, Dr. Murphy, Dr. Hauser, Dr. Marshall

5. Clinic.—St. Luke's Hospital. 1. *I.*
Professor Thomas, Assistant Professor Hobart, Dr. Hauser

15. Clinic.—Dispensary. In sections. 3 two-hour periods. (*three weeks*). *I.* Professor Thomas, Assistant Professor Hobart, Dr. Murphy, D. Hauser, Dr. Marshall

Optional Course—Fourth Year

50. Special Topics in Surgery of Joints.—Internal derangement of the knee-joint; orthopedic management of injuries and infections of the wrist-joint; bony blocking of joints. 1. *I.* Professor Thomas, Dr. Hauser

PROVISIONAL SUMMARY OF HOURS

FIRST YEAR

Subjects	First Semester		Second Semester		Total
	Didactic	Laboratory	Didactic	Laboratory	
Anatomy, Gross	16	112	16	112	256
Histology	48	96	..	..	144
Embryology	..	..	24	48	72
Neurology	..	..	24	48	72
Bacteriology	..	..	32	96	128
Chemistry (Physiological)	40	120	..	..	160
Physiology	..	..	48	48	96
	104	328	144	352	928

SECOND YEAR

Subjects	First Semester		Second Semester		Total
	Didactic	Laboratory	Didactic	Laboratory	
Hygiene	32	..	..	..	32
Medicine	16	..	32	..	48
Physical Diagnosis	..	..	16	32	48
Obstetrics	..	..	32	..	32
Pathology	48	128	..	..	176
Clinical Pathology	..	..	16	64	80
Pharmacology	16	32	32	64	144
Physiology	48	64	..	..	112
Surgery	..	..	32	..	32
Electives	..	..	..	96	96
	160	224	160	256	800

PROVISIONAL SUMMARY OF HOURS (Continued)

THIRD YEAR

Subjects	First Semester		Second Semester		Total
	Didactic	Clinical and Laboratory	Didactic	Clinical and Laboratory	
Anatomy, Topographic	. .	96	. .	. .	96
Autopsies	. .	16	. .	16	32
Pathology, Special	. .	. .	. .	48	48
*Clinical Pathology	16	32	. .	. .	48
Dermatology	. .	. .	16	. .	16
Hygiene	. .	. .	32	. .	32
Jurisprudence	. .	. .	16	. .	16
Medicine	32	98	32	82	244
Neurology	. .	. .	16	. .	16
Obstetrics	32	25	. .	25	82
Otolaryngology	16	17	10	17	60
Pediatrics	16	12	16	12	56
Therapeutics	32	. .	. .	. .	32
Surgery	32	50	32	50	164
Genitourinary Surgery	16	9	. .	9	34
Orthopedic Surgery	. .	25	16	25	66
Electives	32	. .	32	. .	64
	224	380	218	284	1106

FOURTH YEAR

Subjects	First Semester		Second Semester		Total
	Didactic	Clinical and Laboratory	Didactic	Clinical and Laboratory	
Dermatology	16	6	16	6	44
Gynecology	20	21	20	21	82
Hygiene	. .	32	. .	. .	32
Medicine	16	104	32	104	256
Neurology	. .	24	. .	40	64
Obstetrics	. .	12	. .	12	24
Ophthalmology	16	20	. .	20	56
Pediatrics	. .	44	. .	44	88
Psychiatry	. .	12	. .	12	24
Roentgenology	32	. .	. .	. .	32
Surgery	. .	76	. .	76	152
Genitourinary Surgery	. .	8	. .	8	16
Surgical Pathology	. .	8	. .	8	16
Electives	104	. .	104	. .	208
	204	367	172	351	1094

*Not to be given after 1928-29.

COLLEGE ORGANIZATIONS

WEST SIDE PROFESSIONAL SCHOOLS DEPARTMENT
Y. M. C. A. OF CHICAGO

The new ten-story building is located just one block east of the college of medicine. It contains 348 rooms especially planned for students, a spacious lounge, gymnasium, handball courts, and individual exercise rooms. It also contains several business features such as a fine cafeteria, soda fountain luncheonette, and a barber shop.

The aim of the Association is service. It not only provides clean living accommodations for students at a nominal cost, but endeavors to interest students in its cultural programs and activities. As far as possible employment is secured for students who must earn a part of their expenses.

The institution is operated by a Committee of Management made up of representatives of the six professional schools and hospitals of this community. Special rates are given to students who are enrolled in a professional school. For further information please write to the Y. M. C. A. at 1804 W. Congress Street.

ALUMNI ASSOCIATION OF THE COLLEGE OF MEDICINE OF THE UNIVERSITY OF ILLINOIS

President—Woodruff L. Crawford, Trust Bldg., Rockford, Illinois
First Vice-President—Alvah L. Sawyer, '13, 4100 Madison St., Chicago, Illinois
Second Vice-President—William A. Mann, Jr., '21, 30 N. Michigan Ave., Chicago, Illinois
Third Vice-President—John H. Clancey, '97, Naperville, Illinois
Secretary-Treasurer—John M. Krasa, '13, 3335 W. 26th St., Chicago, Illinois
Necrologist—Felix H. Renberg, '05, 3037 Wentworth Ave., Chicago, Illinois
Member Executive Committee—Mathew A. Reasoner, '99, 1st Ave. and 58th St., Brooklyn, N. Y.
Alumni Councillors—Chas. H. Phifer, '02, 30 N. Michigan Ave., Chicago, Illinois
Wm. Harcourt Browne, '23, Augustana Hospital, Chicago, Illinois
Adolph Bonner, '86, 421 Grand Ave., Brooklyn, N. Y.
Goldye Hoffman, '15, 7 W. Madison St., Chicago, Illinois
Ralph King, '16, Olney, Illinois
F. Lee Stone, '10, 25 E. Washington St., Chicago Illinois

ALPHA OMEGA ALPHA

Alpha Omega Alpha, an international honorary medical fraternity, with chapters in twenty-four "Class A" medical schools, was founded in the College of Medicine, in 1902.

Third and fourth year medical students who have a grade of scholarship ranking them in the upper one-sixth of their class are eligible for membership.

GROUP II. CLASS OF 1928

BENJAMIN DAVID BRAUNSTEIN
ROWLAND MAGNUS ECKSTRAND
BURTON ALBERT FINNE
HERSHEL MEYER
CARLO SALVADORE SCUDERI
LELAND MANFORD THOMAS STILWELL

GROUP I. CLASS OF 1929

JOHN GOLDFREED BELLOWS
AARON LEARNER
MAURICE SCHILLER
FRED LOUIS STUTTLE
SAMUEL SWEET

COLLEGE OF MEDICINE OF THE UNIVERSITY OF ILLINOIS CHAPTER OF THE SOCIETY OF THE SIGMA XI

In the Spring of 1928 the Sigma Xi Society granted a charter for the organization of a chapter of this Society at the College of Medicine of the University of Illinois. The Society has for its object the promotion of research. The following constitute the charter members of the Chapter:

DR. L. ARNOLD
DR. A. BACHEM
DR. O. BERGEIM
DR. E. A. BOYDEN
DR. W. J. R. CAMP
DR. A. G. COLE
DR. A. R. COOPER
DR. D. J. DAVIS
DR. V. E. EMMEL
DR. H. N. ETS
DR. F. H. FALLS
DR. C. A. HEDBLOM
DR. R. H. JAFFE
MR. C. A. JOHNSON
DR. O. F. KAMPMEIER
DR. R. M. KEETON
DR. A. F. LASH
DR. H. A. MCGUIGAN
DR. L. O. MORGAN
DR. R. M. OSLUND
DR. W. F. PETERSEN
DR. N. H. PIERCE
DR. I. PILOT
DR. C. C. SAELHOF
DR. F. E. SENEAR
MR. R. L. WEBB
DR. W. H. WELKER
DR. C. S. WILLIAMSON

Dr. F. R. Moulton, National President of the Society, and Dr. George A. Baitsell, Member of the Executive Committee, installed the Chapter on March 9, 1928. The following officers were elected:

Dr. D. J. Davis, President; Dr. W. H. Welker, Secretary; Dr. I. Pilot, Treasurer; Dr. V. E. Emmel, Dr. W. F. Petersen and Dr. H. A. McGuigan, members of the Executive Committee.

ELECTED TO ACTIVE MEMBERSHIP, JUNE 6, 1928

DR. E. ANDREWS, *Associate Professor of Surgery*
MR. S. ARQUIN, *Graduate Student*
DR. C. L. BIRCH, *Instructor in Medicine*
MR. W. BOIKAN, *Graduate Student*
DR. M. E. FISCH, *Assistant in Medicine and in Anatomy*
DR. G. B. HASSIN, *Professor of Neurology*

Dr. J. R. Head, *Instructor in Surgery*
Dr. J. H. Hess, *Professor of Pediatrics*
Miss B. Kaplan, *Instructor in Medicine*
Mr. R. P. MacFate, *Hospital Chemist*
Dr. B. Z. Rappaport, *Associate in Pathology, Hospital Pathologist and Director of Hospital Laboratory*
Dr. L. Seed, *Associate in Surgery*
Dr. M. H. Streicher, *Instructor in Medicine and in Anatomy*
Dr. D. A. Willis, *Instructor in Pathology and Bacteriology*

Associate Members

Mr. M. L. Afremow, *Graduate Student*
Mr. P. Ewing, *Instructor in Medicine*
Dr. R. A. Lifvendahl, *Assistant in Dermatology and Instructor in Medicine*

MEDICAL RESEARCH CLUB

The Medical Research Club, the object of which is the stimulation of scientific research, meets once a month for the discussion of original scientific contributions. Since its organization in January, 1914, many papers have been presented before the society. The spirit of generous competition and helpful criticism that prevails in this club has been a stimulus toward the production of an increasing number of valuable scientific contributions.

Graduate students and others giving promise of doing meritorious work are eligible to associate membership. Associate members have all the rights and privileges of the club except the right to vote.

Elected to Membership, 1927-1928

Active Members

Carroll L. Birch, B.S., M.D., M.S., *Instructor in Medicine*
Sergius F. Arquin, B.S., *Assistant in Pathology*
Robert W. Keeton, B.A., M. S., M.D., *Associate Professor of Medicine*
William Boikan, B.S., *Graduate Student*

Honorary Members

W. T. Bovie, A.B., A.M., Ph.D., *Professor of Bio-Physics, Northwestern Medical School*
William J. Mayo, M.A., M.D., *Surgeon and Chief of Staff to Mayo Clinic*
Haven Emerson, A.B., A.M., M.D., *Director, School of Public Health and Professor of Public Health Administration, Columbia University*
F. B. Moulton, A.B., Ph.D., Sc.D., *National President of the Society of the Sigma Xi*

Papers Read Before the Club, 1927-28

"Studies of Staphylococcus Filtrates," Dr. I. Pilot and Mr. M. L. Afremow.

"Chemical Changes During Continuous Bacterial Injection," Drs. W. F. Petersen, E. Muller, and Mr. G. Milles.

"Alpha Lobeline," Dr. Walter J. R. Camp.

"Modification of Adrenalin Effect with the Functional Status of the Stomach," Mr. S. F. Arquin.

"Functional Studies on the Kupffer Cells of the Liver," Drs. R. H. Jaffe and S. L. Berman.

"The Genetic History of the Valves in the Lymphatics," Dr. O. F. Kampmeier.

"The Comparative Action of the Parathyroid Hormone," Dr. S. A. Matthews.

"Iron Metabolism in Relation to Anemia," Dr. C. S. Williamson.

"The Stuff We Are Made Of or the Nature of Protoplasm," Dr. W. T. Bovie.

"The Advancement of Learning in Medicine," Dr. W. J. Mayo.

"The Passage of Living Bacteria Through the Intact Intestinal Mucosa," Drs. L. Brody and L. Arnold.

"The Proteins of Egg White. The Proteins in Egg White and Their Relationship to the Blood Proteins of the Domestic Fowl as Determined by the Precipitin Reaction," Drs. L. Hektoen and Mr. A. G. Cole.

"Giant Epithelial Cells of the Fetal Human Adrenal," Dr. O. F. Kampmeier.

"Bactericidal Power of the Mucous Membrane of the Nose," Mr. M. L. Ostrom and Dr. L. Arnold.

"The Number and Growth of the Progeny of Parathyroidectomized Albino Rats," Dr. S. B. Chandler.

"Aspergillosis of the Spleen," Dr. R. H. Jaffe and Dr. L. R. Hill.

"Brain Changes in Increased Intercranial Pressure," Dr. G. B. Hassin.

"Quantitative Estimation of Digestive Function Particularly in Avitaminoses,' Dr. O. Bergeim.

"Localized Cell Destruction and Degenerative Processes in the Brain in Idiopathic Epilepsy," Dr. L. O. Morgan.

"The Present Status of the Physiology of the Gall Bladder," Dr. E. A. Boyden.

"Skin Reactions with Hog and Human Ascaris," Drs. I. Pilot and B. Z. Rappaport.

"Experimental Production of Interstitial Emphysema and Air Embolism—Report on the Progress," Dr. M. Joannides.

"Study of the Vascular Adrenalin Reaction and Its Relation to Blood Chemistry, etc.," Drs. W. F. Petersen, S. A. Levinson and Mr. S. F. Arquin.

"The Incidence and Death Rate of Diphtheria by Race," Dr. H. Emerson.

"Brain Changes in Pyemia and Septicemia," Dr. I. B. Diamond.

"A Case of Lipoid Histiocytosis (Niemann's Disease) with a Chemical Analysis," Dr. S. L. Berman and Mr. R. P. MacFate.

"Science and the Common Man," Dr. F. B. Moulton.

DEGREES CONFERRED

Degree of Doctor of Medicine

Conferred September 22, 1927

Sol Marvin Abelson, B.S.

Conferred October 15, 1927

Edward Falk Poser, B.S.

Conferred December 8, 1927

Theodore B. Bernstein, B.S.

Conferred January 1, 1928

Milton George Bohrod, B.S.
Lucille Hammel Snow
Grover Tracy, A.B.
Claire Eugene Carr, B.S.
Peter Nicholas Hatzis, B.S.
Frank Robert Sender

Conferred January 12, 1928

Reuben Mark, B.S.

Conferred February 1, 1928

Max Joseph Schwartz
Clarence Roland Kroeger, B.S.
Louis W. Schultz, D.D.S., B.S.

Conferred February 25, 1928

Louis Nodinger

Conferred June 12, 1928

Herbert Spencer Sarnoff, B.S.
Sidney Sideman, B.S.

Conferred June 14, 1928

Samuel Vaughn Dragoo, B.S.

Conferred June 15, 1928

Russell Alvord Barrett
Cecil David Brown, B.S.
Mayer Harold Levy
Raymond Joseph Portman, B.S.

Conferred June 25, 1928

Norbert Alois Blickhan, B.S.

Conferred June 28, 1928

Eugene Robbins, A.B.

Conferred July 1, 1928

Samuel Victor Abraham, A.B.
Frank Albert Bagley, B.S.
Alonzo Newton Baker
Elmer Clarence Bartels, B.S.
Jesse Franklin Beabout
Joseph Sloan Bell
Leon Philip Belous
Myron Evan Bird, B.A.
William Boikan, B.S.
Meyer H. Cahan, B.S., M.S.
Cornelius Rice Cain, B.S.
Raymond Robinson Callaway, B.S.
Marcus Ryner Caro, B.S.
Abraham Emil Cohen, B.S.

William Henry Cooper
Joe Tom Currey, B.S.
Ernest Maxwell Dewhirst, B.S.
Noah Daniel Fabricant, B.S.
Anthony John Falletti
Fred Grant Ferguson, B.S.
George Constant Finola, B.S.
Louis Zolo Fishman, B.S.
Bohumil Charles Foucek, B.S.
Peter Gaberman, B.S.
Amos Carvel Gipson, B.S.
Glen Earl Glasgow, B.S.
Abraham Hyman Goldberg, B.S.
Samuel Silas Goldberg, B.S.
Leon Harold Gorfinkel
Paul Edward Haley, B.S.
Eugene W. Hanson, B.S.
Earl Herron, B.S.
Carl Julius Henry Hotz, A.B.
Milton Edward Hubbard, B.A.
Lucius Lester Hutchens
Albon Louis Jackson
Herman Alfred Jacobson, B.S.
Jacob Robert Jacobson, B.S.
Arthur Wesley Kistner, B.S.
Harry Kraut, B.S.
Joseph Harold Kris, B.S.
William Frederick Lauten
John Paul McGee, B.S.
Foster Lamont McMillan, B.S.
John Cyrus Mason, B.S.
Julius B. Novak, B.S.
Haruto Okada, B.S.
James Vincent Oliverio, B.S.
Arthur C. Rest, B.S.
Knute Reuterskiold, B.A., B.S.
Raymond Randolph Richards, B.S.
Charles Frederick Roan, B.S.
Albert Frank Rosenblum
Sol Roy Rosenthal, B.S.
Norman Albert Ross, B.S.
Morris J. Schiff, B.S.
Sophie Willene Schroeder, B.S.
Louis Irwin Sokol, B.S.
Clarence Cornelius Stein, B.S.
Clyde Peter Stollar
Malachi Combs Topping. B.S.
Harold Vivan Wadsworth
Leonard Francis Waldman, B.S.
Louis Stanley Wegryn, B.S.
Wilburn Jewell Williams
Joseph Henry Woolf
Felix Herman Zimmermann, B.S.

Conferred July 3, 1928

Charles Emerson Fitzgerald, B.S.

Conferred July 5, 1928

Numa Pompilius Dunne, B.S.

Conferred July 12, 1928

Benjamin Shapiro, B.S.
George William Tarry, B.S.

Conferred July 14, 1928

Elizabeth Colver Gist, A.B., B.S.

Conferred August 1, 1928

Donald Voorhees Jordan

Conferred August 2, 1928

Albert Joseph Bown, B.S.

Conferred August 15, 1928

Florence Amelia Brown, B.S.
Dorothy Miriam Franklin, A.B., B.A.

The Degree of Bachelor of Science

Conferred February 14, 1928

Dwight Wilson Anderson
Morey Chapman
Hugh Alexis Rasmussen
Robert Earl Reagan
Fred Shapiro

Conferred June 9, 1928

Orville L. Abbott
Dorothy Arenz
David Merton Banen
Walter Earl Bartusch
Jewell Lee Bass
Paul Verco Brinley
Alexander Brown
Alvin Howard Clark, B.S.
Irving Dreyer
Henry William Eggers
Milton William Eisenstein
Nathan Epstein
Eugene Isadore Falstein
Jerome Gordon Finder, B.A.
Charles Finkelstein
Nicholas Francona
Bernard Frazin
Elmer Deloss Gay
Jacob Benjamin Gier
Wm. Everett Glass
James Edward Graham
Harry Greenstein
Ford Kimmel Hick, *with Honors*
George Albert Ingrish
Joseph Janofsky
Albert H. Jenkins
Esther Concordia Johnson
Kenneth P. Johnston
Frank Bert Kaiserman
Noah Meyer Koenigsberg
Samuel H. Kraines
Frank Joseph Lavieri
Leonard Owen Leader
Louis Robert Limarzi
Morris Jack Lipchitz
Adelina Florence Lobraico
Naomi Therese Lucius
Edward Joseph McNulty
David Mansowitz
Jack Greene Mearns, B.A.
Donald Glenn Mershon
Sidney David Meisrow
Leo Frederick Miller
William Edward Miller, A.B.
Lawrence Joseph Murphy
Frederic Dennis O'Donnell
Irwin Lovette Oliver
Julian Anthony Ossman
Lester Robert Paxton
Abraham Isadore Ramenofsky
Martin Abraham Reichman
Alfred George Rice
Dwight William Rife
Roy Otis Riser
James J. Rodgers
Robert Rodin
Max Rulney
Herbert Sacks
Hyman Schorr
Sidney Schreiber
Martin Henry Seifert, Ph.G.
Louis Willard Shabat
Samuel Shapiro
Irving Siegel
Abraham Simon
Jacob David Singer
Charles Otis Smith
Alexander Louis Stearns
Frederick Steigmann
Louis D. Steinberg
William Thomas Stickley
Janet Campbell Thayer, B.S.
Phillip Thorek
Francis James P. Twohey
Louis Stephen Varzino
George Heywood Vernon, Jr., A.B.
Charles Morse Weinberg
Benjamin Ide Weininger, *With Honors*
Charles Peter Whalen
Irving Wolinsky, *With Honors*
Waldo Waite Wynekoop
Leo Zatz

Certificate Presented June 9, 1928

Students who have completed four years of scheduled work in the College of Medicine of the University of Illinois, and who, upon the completion of a year of satisfactory interneship in a hospital approved by the University, will be entitled to the degree of Doctor of Medicine.

Abe Louis Aaronson, B.S.
Wright Rowe Adams, B.S.
*John Richardson Alexander
Kenning Meredith Anderson, B.S.
Jacob Morris Aronson, B.S.
William Odus Baldridge
Anthony Martin Barone
William James Blackard, Jr.
John Richard Boyd, B.S.
Arthur Russell Brandenberger, B.S.
Benjamin Davis Braunstein, B.S.
Olga Brolnitsky
Clyde M. Brooks
Allen Maxwell Bruner, B.S.
Hyman Jack Burstein, B.S.
Paul Vincent Carelli, Jr., B.S.
James Patrick Carmody, B.S.
Morey Chapman, B.S.
Fred Cooper
Casimir Arthur S. Cywinski
Fred Danziger, B.S., *With Honors*
Geo. Edward DeTrana, B.S., *With Honors*
Rowland Magnus Ekstrand, B.S.
Minna Elizabeth Emch. A.B., B.S.
Burton Albert Finne, B.S.
Joseph Richard Franco
Fred Gilbert, B.S.
Frank Glassman
Michael Breinar Greenfield, B.S.
Jack Greenwald
Lilburn Silvas Greenwood
Amadel Ferruccio Gregoline
Julius Gurevitz
Harold Frederick Hansen, B.S.
Frederick E. Haskins, B.S.
Tom George Hays
†Cornelius Edward Healy
Ida Heissig, B.S.
Harold Herrin Hill, B.S.
John Geo. Hillebrand, B.S., *With Honors*
Wendell Francis Holmes, B.S.
Edmund H. Holten
Frank Douglas Jacobs, Jr., B.S.
Elmer Theodore Johnson, B.S.
Ernest Eugene Jones, B.S.
Edward Francis Joss, B.S.
Joseph Hynek Just, B.S.
Joseph Kanter
Meyer Jacob Keren, Ph.G.
Benjamin Herman Kesert, B.S.
Frank Milton Kilgard, B.S.
*Paul Frederick Kionka, B.S.
Herbert John Kirchner, B.S.
Jack D. Kirshbaum
Paul Andrew Koestner
John Adolph Larson, B.S.
Calvin Albert Lauer
Herman G. Levin
Howard Jack LeVine, B.S.
Robert Hanawalt McCrackin, B.S.
Mahlon Daniel McPherson, B.A.
Sidney James MacLeod
Frank John Maniscalco
Cecil Lawrence Martin
LaVille Hendricks Merrill, A.B.
Hershel Meyer, B.S.
Oscar James Michael
Harold Montgomery Mortimer, B.S.
William Howard Newton, B.S.
Lester Cleo Olin, A.B.
Emanuel Padnos, B.S.
Nell Treva Pattengale, B.S.
Ben Pearlman B.S.
Dwight Pence, B.S.
Kenneth Norman Petri, B.S.
Barton Jerome Powell, B.S.
Everett Howard Pritchett, B.S.
Julius Prohovnik, B.S.
Cloyd Long Pugh, B.S.
Glenn Raymond Ray, B.S.
Walter Jacob Reich, B.S.
Martin Abraham Reichman, B.S.
Jacob Edgar Reisch, B.S.
Louis Allan Richburg, B.S.

Welton Edwin Richburg, B.S.
Cyril Brown Ritchie, B.S.
Vern William Ritter, B.S.
John Bartholomew Ruggiero, B.S.
George Schatz, B.S.
Arthur Melville Schorr, B.S.
William Henry Schowengerdt, B.S.
Carlo Salvadore Scuderi, B.S.
Galen Krauth Sellers, B.S.
Isadore M. Shapiro, B.S.
Daniel Anderson Simmons, B.S.
Carey N. Smith
*Nicholas Ernest Sodaro, B.S.
Arch E. Spelman, B.S.
Edward Carl Steinkopff
Harry Hart Stephens, B.S.
Leland Manford Thomas Stilwell, B.S.
Milton Joseph Summerville, A.B.
Henning Melville Swenson, B.S.
Milo Edward Vacin
James Stewart Walsh, B.A.
Morris Robert Weidner, Jr.
Edgar Wilkin Weir
James Walker Wetzel
Lawrence Forrest Whittaker, B.S.
Lyle Joseph Willis, B.S.
Ona Verne Wilson, A.B.
Samuel David Zuker, B.S.

†Conferred July 1, 1927
*Conferred February 14, 1928

REGISTER OF STUDENTS

SESSION OF 1928-29

FIFTH YEAR CLASS—HOSPITAL APPOINTMENTS

Ancker Hospital	Frank M. Kilgard
St. Paul, Minn.	Edward K. Steinkopff
Augustana Hospital	Robert H. McCrackin
Chicago, Illinois	Dwight Pence
	Arch E. Spelman
	Henning M. Swenson
	Lyle J. Willis
Cook County Hospital	Abe L. Aaronson
Chicago, Illinois	Hyman J. Burstein
	Fred Danziger
	George DeTrana
	*Michael B. Greenfield
	John G. Hillebrand
	Joseph Kanter
	*Jack D. Kirshbaum
	*Calvin A. Lauer
	Harold Mortimer
	Hershel Meyer
	Carlo Scuderi
Decatur and Macon County Hospital	Glenn Ray
Decatur, Illinois	Edgar W. Weir
Deaconess Hospital	Lilburn S. Greenwood
Spokane, Washington	
Frances E. Willard Hospital	Morey Chapman
Chicago, Illinois	
Fresno City General Hospital	Herman G. Levin
Fresno, California	
Grasslands Hospital	John B. Ruggiero
Valhalla, New York	
Grant Hospital	Jacob Greenwald
Chicago, Illinois	Julius Gurevitz
	Fred E. Haskins
	Frank D. Jacobs, Jr.
	Edward F. Joss
	James W. Wetzel
Hackley Hospital	Olga Brolnitsky
Muskegon, Michigan	
Holy Family Hospital	Frank J. Maniscalco
Brooklyn, New York	
Hospital for Children	Ona V. Wilson
San Francisco, California	

Illinois Central Hospital Chicago, Illinois	Clyde M. Brooks Louis A. Richburg Welton E. Richburg
Ingalls Memorial Hospital Harvey, Illinois	Michael B. Greenfield
Knoxville General Hospital Knoxville, Tenn.	Lester C. Olin
Lakeview Hospital Chicago, Illinois	Treva Pattengale
Latter Day Saints Hospital Salt Lake City, Utah	L. H. Merrill
Los Angeles General Hospital Los Angeles, California	Ida Heissig Mahlon D. McPherson Herbert J. Kirchner Lawrence F. Whittaker
Lucas County Hospital Toledo, Ohio	Samuel Zuker
Lutheran Deaconess Hospital Chicago, Illinois	William O. Baldridge Wendel F. Holmes Ernest E. Jones Jacob Reisch George Schatz
Michael Reese Hospital Chicago, Illinois	B. D. Braunstein Burton A. Finne Frank Glassman Emanuel Padnos Julius Prohovnik Isadore M. Shapiro
Mount Sinai Hospital Chicago, Illinois	Ben Pearlman Fred Gilbert
Mt. Zion Hospital San Francisco, California	Fred Cooper
John B. Murphy Hospital Chicago, Illinois	Cornelius Healy
Ravenswood Hospital Chicago, Illinois	Nicholas E. Sodaro
Research and Educational Hospital, University of Illinois Chicago, Illinois	Arthur R. Brandenberger William H. Schowengerdt Milton J. Summerville James S. Walsh
Southern Pacific Hospital San Francisco, California	Barton J. Powell
Santa Rosa Infirmary San Antonio, Texas	Arthur Schorr
Seattle General Hospital Seattle, Wash.	Vern W. Ritter

St. Francis Hospital Evanston, Illinois	Casimir A. Cywinski
St. Elizabeth's Hospital Chicago, Illinois	Anthony M. Barone Joseph R. Franco
St. Joseph's Hospital Chicago, Illinois	William J. Blackard James P. Carmody Walter R. Fallon Cloyd Pugh
City Hospital St. Louis, Missouri	Harold H. Hill Edmund H. Holten C. L. Martin Everett H. Pritchett Martin A. Reichman
St. Luke's Hospital Chicago, Illinois	Rowland M. Ekstrand Wright R. Adams Leland M. T. Stilwell
St. Luke's Hospital Duluth, Minnesota	Elmer T. Johnson
St. Margaret's Hospital Hammond, Indiana	Oscar J. Michael
Swedish Hospital Minneapolis, Minn.	Galen K. Sellers
Tacoma General Hospital Tacoma, Washington	Cyril B. Ritchie
University Hospital Chicago, Illinois	Harold Hansen William H. Newton Daniel A. Simmons
U. S. Naval Hospital New York City	Thomas G. Hays
West Suburban Hospital Oak Park, Illinois	Kenning M. Anderson John R. Boyd **Paul F. Kionka Kenneth N. Petri Harry H. Stephens Charles R. Summers M. Robert Weidner
West Side Hospital Chicago, Illinois	Joseph H. Just

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*Service begins January 1, 1929

†Service began February 1, 1928

**Service began April 1, 1928

FOURTH YEAR CLASS, 1927-28

Aaronson, Abe Louis, B.S.	*Illinois*
Adams, Wright Rowe, B.S.	*Illinois*
Alexander, John Richardson	*Illinois*
Anderson, Kenning Meredith, B.S.	*Illinois*
Aronson, Jacob Morris, B.S.	*Illinois*
Baldridge, William Odus	*Indiana*
Barone, Anthony Martin	*Illinois*
Bensema, Clarence Edward, B.S.	*Illinois*
Blackard, William James, Jr.	*Illinois*
Boyd, John Richard, B.S.	*Illinois*
Brandenberger, Arthur Russel, B.S.	*Illinois*
Braunstein, Benjamin Davis, B.S.	*Illinois*
Brolnitsky, Olga Gowseevna	*Illinois*
Brooks, Clyde M.	*Illinois*
Bruner, Allen Maxwell, B.S.	*Illinois*
Burstein, Hyman Jack, B.S.	*Illinois*
Carelli, Paul Vincent, Jr., B.S.	*Illinois*
Carmody, James Patrick, B.S.	*Illinois*
Chapman, Morey, B.S.	*Illinois*
Cooper, Fred	*Illinois*
Cywinski, Casimir Arthur	*Illinois*
Danziger, Fred, B.S.	*Illinois*
DeTrana, George Edward, B.S.	*Illinois*
Edahl, Edwin Waldamar, B.S.	*Illinois*
Ekstrand, Rowland Magnus, B.S.	*Illinois*
Emch, Minna Elizabeth, A.B., B.S.	*Illinois*
Finne, Burton Albert, B.S.	*Illinois*
Franco, Joseph Richard	*Illinois*
Gernon, John Talbot, B.S.	*Illinois*
Gittlestein, Fred, B.S.	*Illinois*
Glassman, Frank	*Illinois*
Greenfield, Michael Breinar, B.S.	*Illinois*
Greenwald, Jack, B.S.	*Illinois*
Greenwood, Lilburn Silvas, BS.	*Illinois*
Gregoline, Amadel Ferruccio , B.S.	*Illinois*
Gurevitz, Julius, B. S.	*Illinois*
Hansen, Harold Frederick	*South Dakota*
Haskins, Frederick E., B.S.	*Indiana*
Hays, Tom George	*Illinois*
Heissig, Ida, B.S.	*Illinois*
Hill, Harold Herrin, B.S.	*Illinois*
Hillebrand, John George, B.S.	*Illinois*
Holmes, Wendel Francis, B.S.	*Illinois*
Holten, Edmund Herman	*Illinois*
Jacobs, Frank Douglas, Jr., B.S.	*Illinois*
Johnson, Elmer Theodore, B.S.	*Minnesota*
Johnson, James Manuel, B.S.	*Illinois*
Jones, Earnest Eugene, B.S.	*Illinois*

Joss, Edward Francis, B.S.	*Illinois*
Just, Joseph Hynek, B.S.	*Illinois*
Kanter, Joseph, B.S.	*Illinois*
Keren, Meyer Jacob, Ph.G.	*Illinois*
Kesert, Benjamin Herman, B.S.	*Illinois*
Kilgard, Frank Milton, B.S.	*Minnesota*
Kionka, Paul Frederick, B.S.	*Illinois*
Kirchner, Herbert John, B.S.	*Illinois*
Kirshbaum, Jack D.	*Illinois*
Koestner, Paul Andrew	*Illinois*
Kramer, Willard Edwin, A.B., B.S.	*Pennsylvania*
Larson, John Adolph, B.S.	*Illinois*
Lauer, Calvin Albert	*Illinois*
Levin, Herman G,, B.S.	*Illinois*
LeVine, Howard Jack, B.S.	*Illinois*
Levitt, Louis Leo, B.S.	*Illinois*
McCrackin, Robert Hanawalt, B.S.	*Illinois*
McPherson, Mahlon Daniel, B.A.	*California*
MacLeod, Sidney James	*Illinois*
Maniscalco, Frank John, B.S.	*New York*
Martin, Cecil Lawrence	*Illinois*
Mastri, Aquil, B.S.	*Illinois*
Merrill, LaVille Hendricks, A.B.	*Utah*
Meyer, Hershel, B.S.	*Illinois*
Michael, Oscar James	*Illinois*
Mortimer, Harold Montgomery, B.S.	*Illinois*
Newton, William Howard, B.S.	*Illinois*
Olin, Lester Cleo, A.B.	*Illinois*
Padnos, Emanuel, B.S.	*Illinois*
Pattengale, Nell Treva, B.S.	*Illinois*
Pearlman, Ben, B.S	*Illinois*
Pence, Dwight, B.S.	*Illinois*
Petri, Kenneth Norman, B.S.	*Illinois*
Powell, Barton Jerome, B.S.	*California*
Pritchett, Everett Howard, B.S	*Illinois*
Prohovnik, Julius, B.S.	*Illinois*
Pugh, Cloyd Long, B.S.	*Illinois*
Ray, Glenn Raymond, B.S.	*Illinois*
Reich, Walter Jacob, B.S.	*Illinois*
Reichman, Martin Abraham	*Illinois*
Reisch, Jacob Edgar, B.S.	*Illinois*
Richburg, Louis Allan, B.S.	*Illinois*
Richburg, Welton Edwin, B.S.	*Illinois*
Ritchie, Cyril Brown, B.S.	*Idaho*
Ritter, Vern William, B.S.	*Illinois*
Ruggiero, John Bartholomew, B.S.	*New York*
Schatz, George, .BS.	*North Dakota*
Schorr, Arthur Melville, B.S.	*Illinois*
Schowengerdt, William Henry, B.S.	*Illinois*

Scuderi, Carlo Salvadore, B.S.	*Illinois*
Sellers, Galen Krauth, B.S.	*Minnesota*
Shapiro, Isadore M., B.S.	*Illinois*
Simmons, Daniel Andersen, B.S.	*Illinois*
Smith, Carey M.	*Illinois*
Sodaro, Nicholas Ernest	*Illinois*
Spelman, Arch E., B.S.	*Illinois*
Steinkopff, Edward Karl	*Illinois*
Stephens, Harry Hart, B.S.	*Illinois*
Stilwell, Leland Manford Thomas, A.B., B.S	*Illinois*
Summers, Charles Raymond, B.S.	*Colorado*
Summerville, Milton Joseph, A.B.	*Kentucky*
Swenson, Henning Melville, B.S.	*Illinois*
Vacin, Milo Edward	*Illinois*
Walsh, James Stewart, B.A.	*Colorado*
Webb, Arthur Sterling	*Missouri*
Weidner, Morris Robert, Jr.	*Illinois*
Weir, Edgar Wilkin	*Illinois*
Wetzel, James Walker	*Illinois*
Whittaker, Lawrence Forrest, B.S.	*Illinois*
Willis, Lyle Joseph, B.S.	*Illinois*
Wilson, Ona Verne, A.B.	*Illinois*
Wing, Herbert John	*Illinois*
Zuker, Samuel, B.S.	*Ohio*

THIRD YEAR CLASS, 1927-28

Abrams, Irving R., B.S.	*Illinois*
Afremow, Melvin Louis, B.S.	*Illinois*
Alcorn, Marshall Wells, B.S.	*Illinois*
Altman, James Sloan, B.S.	*Illinois*
Anderson, Dwight Wilson, B.S.	*Illinois*
Anderson, William Eugene, B.S.	*Mississippi*
Balding, Laurence Grant, B.S.	*Illinois*
Bayles, Raymond G.	*Illinois*
Bellows, John Goldfreed, B.S.	*Illinois*
Blanck, Earl Elmer, B.S.	*Illinois*
Boren, Ralph Clinton, B.S.	*Illinois*
Boswell, Clay Stephen, B.S.	*Illinois*
Boudry, Marshall O., B.S.	*Wisconsin*
Boylan, Charles Edward	*Illinois*
Brooks, Roosevelt	*Illinois*
Brown, Alexander	*Illinois*
Browning, Levi Martin	*Illinois*
Burns, Robert Joseph, B.S.	*Illinois*
Cark, Carl Edward, B.S.	*Illinois*
Cline, Frances Almeda	*Illinois*
Connell, John Henry	*Illinois*

Craig, Carlos Clinton, B.S.	*Illinois*
Croft, Martin Saul, B.S.	*Illinois*
Davia, James Eugene Paul, B.S.	*West Virginia*
Dedrick, Martha Louise, B.S.	*Wisconsin*
Drew, Francis Emmons, B.S.	*Illinois*
Ericksen, Emil Gundweld	*South Dakota*
Feinstein, Morris, B.S.	*Illinois*
Ferrias, Irving Benwith, B.S.	*Illinois*
Finkelstein, Philmour, B.S.	*Illinois*
Forkosh, Sydney Richard, B.S.	*Illinois*
Freimann, Alexander, B.S.	*Roumania*
Garrett, Roy Preston, B.S.	*Illinois*
Gogol, Louis, B.S.	*Illinois*
Gorden, Noel Eugene, B.S.	*Illinois*
Gray, John Wilson, B.S.	*Illinois*
Haffron, Daniel, B.S.	*Illinois*
Halevy, Arthur Abraham	*Illinois*
Herstein, David Allen	*Illinois*
Hill, Elizabeth Webb, A.B., B.S.	*Illinois*
King, Ernest Chan Quong, A.B.	*Utah*
Klein, Otto Gustav, A.B., B.S.	*Illinois*
Klomhaus, Alfred Paul	*Illinois*
Koff, Salmon Arthur	*Illinois*
Kompare, Louis Francis	*Illinois*
Krishna, Ikbal, B.A., B.S.	*Illinois*
Kunstadter, Ralph Hess, B.S.	*Illinois*
Laube, Gustav Richard	*Illinois*
Lavieri, Frank Joseph	*Illinois*
Learner, Aaron, B.S.	*Illinois*
Levine, Samuel	*Illinois*
Lidovsky, Rebecca, B.S.	*Riga*
Litwack, Isadore David, B.S.	*Illinois*
Lobraico, Adelina Florence	*Illinois*
Lucius, Naomi Therese	*Missouri*
McGinnis, George Cletis	*Illinois*
McLaughlin, Alan F., B.S.	*Illinois*
McNulty, Edward Joseph	*Illinois*
Mallin, Isadore, B.S.	*Illinois*
Mansowitz, David	*Illinois*
Mathis, Alvin Leroy	*Illinois*
Mathis, John Archibald, B.S.	*Illinois*
Melnick, Perry Julius, B.S.	*Illinois*
Mershon, Donald Glenn	*Illinois*
Meyer, George Irving	*Illinois*
Miller, Alfred Frederick, B.S.	*Illinois*
Miller, Leo Frederick	*Illinois*
Miller, Maurice, B.S.	*Illinois*
Montgomery, Max Malcolm, B.S.	*Iowa*
Moore, Laurence Moses	*Illinois*

Murphy, Waldo Evans	*Illinois*
Nagel, Frank Emil, Jr.	*Illinois*
Nash, Justin Russell	*Illinois*
Neal, Lovell Arthur, B.S.	*Illinois*
Nelson, Roland Clifford, B.S.	*Illinois*
Nowak, John Michael	*Illinois*
O'Donnell, Frederick Dennis	*Illinois*
Ogle, Dan Clark, B.S.	*Illinois*
Oliver, Irwin Lovette	*Minnesota*
O'Neill, Clement Paul, B.S.	*Illinois*
Orr, Eli Homes, B.S.	*Illinois*
Ostrofsky, Peter	*Illinois*
Ostrom, Meredith Louis Hult, B.S.	*Illinois*
Paxton, Robert Lester	*Michigan*
Petrik, Albert Charles, B.S.	*Illinois*
Ramenofsky, Abraham Isadore	*Illinois*
Rasmussen, Hugh Alexis, B.S.	*Illinois*
Reagan, Robert Earl, B.S.	*Texas*
Reingold, Joseph Cyrus, B.S., with honors	*Illinois*
Roberson, Brooks Leek	*Illinois*
Roth, Harold Alan, B.S.	*Illinois*
Russo, Carmen Francis, B.S.	*Illinois*
Sabin, Allen Luciem	*Illinois*
Schiller, Maurice Aaron, B.S.	*Illinois*
Schori, John Wheeler	*Illinois*
Schorr, Hyman Joseph	*Illinois*
Schreiber, Sidney	*Illinois*
Seid, Benjamin, B.S.	*Illinois*
Shafton, Arthur Louis, B.A., B.S.	*Illinois*
Shellow, Harold, B.S.	*Illinois*
Shapiro, Fred, B.S.	*California*
*Sherrard, Charles Francis, A.B.	*Illinois*
Shuger, Harry	*Illinois*
Silverman, Harold Edward	*Illinois*
Simon, David Charles, B.S.	*Illinois*
Smith, Charles Otis, A.B.	*Illinois*
Smith, Kenneth John, B.S.	*Illinois*
Smith, Robert Harlie, B.S.	*Illinois*
Sokolowski, Felix Walter	*Illinois*
Solomon, Sam, B.S.	*Illinois*
Staley, Percy Alfred	*Missouri*
Starcevich, Paul Joseph	*Illinois*
Stearns, Alexander Louis	*Illinois*
Stone, Fred D., B.S.	*Illinois*
Stuart, Carroll W., D.D.S., B.S.	*Iowa*
Stuttle, Fred Louis, B.S.	*Illinois*
Sweet, Samuel, B.S.	*Illinois*
Tait, Arthur Alfred, A.B., B.S.	*Illinois*

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*Deceased

Tobin, Walter William, B.S.	*Illinois*
Toman, Andrew John, B.S.	*Illinois*
Twitchell, Benjamin Edward, A.B., B.S.	*Illinois*
Twitchell, Standle Irving, Ph.G.	*Illinois*
Vinnedge, Kenneth Houston	*Illinois*
Washburne, Annette Clarke, Ph.B.	*Illinois*
Wien, Norman, B.S.	*Illinois*
Weiss, George Seymour	*Illinois*
Wolf, Henry, B.S.	*Illinois*
Wollgast, George Frederick	*Illinois*
Yonan, Marshall E.	*Illinois*
Young, Louis Clide	*Illinois*

SECOND YEAR CLASS, 1927-28

Abbott, Orville L.	*Illinois*
Abrams, Harry	*Illinois*
Alcorn, Kent Archibald	*Illinois*
Allison, Howard Robert	*Illinois*
Anthony, Abel Cornelius	*British Guiana, S. A.*
Arenz, Dorothy	*Illinois*
Banen, David Merton	*Illinois*
Bartusch, Walter Earl	*Illinois*
Bass, Jewell Lee	*Illinois*
Best, Albert Alan	*Illinois*
Brinley, Paul Verco	*Illinois*
Brown, Martin Van, B.E.	*Illinois*
Burns, Behle Basil	*Utah*
Clark, Alvin Howard, B.S.	*Illinois*
Clotfelter, David W.	*Illinois*
Dreyer, Irving	*Illinois*
Eggers, Henry Wm.	*Illinois*
Eisenberg, Benjamin	*Indiana*
Eisenstein, Milton Wm.	*Illinois*
Epstein, Nathan	*Illinois*
Falstein, Eugene Isadore	*Illinois*
Finder, Jerome Gordon, B.A.	*Illinois*
Finkelstein, Charles	*Illinois*
Francona, Nicholas	*Illinois*
Frazin, Bernard	*Illinois*
Gamburg, Leo	*Illinois*
Gay, Elmer Deloss	*Illinois*
Gibson, William Donald, B.S.	*Illinois*
Gier, Jacob B.	*Tennessee*
Glass, Wm. Everett	*Illinois*
Graham, James Edward	*Illinois*
Greenstein, Harry	*Illinois*
Harris, Freeman Curtis	*Illinois*

Hemphill, Robert Begg	*Illinois*
Hick, Ford Kimmel	*Illinois*
Hughes, Marc Jacob	*Illinois*
Ingrish, George Albert	*Illinois*
Jamison, Dan De Witt	*Illinois*
Janofsky, Joseph	*Illinois*
Jenkins, Albert H.	*Illinois*
Johnson, Esther Concordia	*Illinois*
Johnston, Kenneth P.	*Illinois*
Kaiserman, Frank	*Illinois*
Kelso, George Cameron, A.B.	*California*
Koenigsberg, Noah	*Illinois*
Kraines, Samuel Henry	*Illinois*
Lamb, Bernard	*Illinois*
Leader, Leonard Owen	*Illinois*
Limarzi, Louis Robert	*Illinois*
Lipchitz, Morris Jack	*Illinois*
Long, Hugo	*Illinois*
Lustgarten, Earl Matthew, A.B.	*Illinois*
McMillan, Robert Glen	*Illinois*
Mearns, Jack Greene, B.A.	*Michigan*
Mesirow, Sidney	*Illinois*
Metzel, Charles Himes, A.B.	*Oklahoma*
Miller, William Edward, A.B.	*Illinois*
Moreland, James Wilber	*North Dakota*
Murphy, Lawrence Joseph	*Illinois*
Murphy, Virgil LeRoy	*Illinois*
Olivo, Anton	*Illinois*
Ossman, Julian Anthony	*Illinois*
Phillips, Louis	*Illinois*
Piszkiewicz, Frank Joseph	*Illinois*
Rader, William Osborn	*Iowa*
Rice, Alfred George	*Illinois*
Rife, Dwight William	*Illinois*
Riser, Roy Otis	*Illinois*
Robbin, Nahum L.	*Illinois*
Rodgers, James J.	*Illinois*
Rodin, Robert	*Illinois*
Rulney, Max	*Illinois*
Sacks, Herbert	*Illinois*
Seifert, Martin Henry, Ph.G.	*Illinois*
Seymour, Guy Emil, A.B.	*Illinois*
Shabat, Louis Willard	*Illinois*
Shapiro, Samuel	*Illinois*
Shropshear, George	*Illinois*
Siegal, Henry Abraham	*Illinois*
Siegel, Irving	*Illinois*
Simon, Abraham	*Illinois*
Singer, Charlotte H.	*Illinois*

Singer, Jacob David	*Illinois*
Skorodin, Bernard	*Illinois*
Smith, William Roan	*Illinois*
Starcevich, Paul Joseph	*Illinois*
Steigmann, Frederick	*Illinois*
Steinberg, D. Louis	*Illinois*
Stevens, John Wayne	*Illinois*
Stickley, William Thomas	*Michigan*
Sullivan, Clifford Patrick	*Illinois*
Thayer, Janet Campbell, B.S.	*Illinois*
Thorek, Philip	*Illinois*
Twohey, Francis James P.	*Illinois*
Varzino, Louis Stephen	*Indiana*
Vernon, George Heywood, Jr., A.B.	*Illinois*
Weinberg, Charles Morse	*Illinois*
Weininger, Benjamin Ide	*Illinois*
Whalen, Charles Peter	*Illinois*
Wolinsky, Irving	*Illinois*
Wynekoop, Waldo Waite	*Illinois*
Zalar, Joseph Alfonso	*Illinois*
Zatz, Leo	*Illinois*

FIRST YEAR CLASS, 1927-28

Akina, Henry	*Hawaii*
Albright, Arthur Cartwright	*Illinois*
Ambrose, Stephen Hedges	*Illinois*
Aries, Leon Judah	*Illinois*
Baer, Walter Hilmar	*Illinois*
Baker, Ranson Bright	*Illinois*
Balmagia, Mitia	*Michigan*
Barnett, Andrew Felix	*Illinois*
Bell, Herbert Joseph	*Illinois*
Benda, Barbara Florence	*Illinois*
Benensohn, Solomon J.	*Illinois*
Berger, Louis	*Illinois*
Bernstein, Maxwell Robert	*Illinois*
Bloom, Charles Robert	*Illinois*
Brezina, Helen Clara	*Illinois*
Burstein, Harry, S.B.	*Wisconsin*
Carow, Theodore Moffett	*Illinois*
Carr, Herman John	*Illinois*
Carter, Clifford Lewis	*Illinois*
Cerny, Alvin Jay	*Illinois*
Chapman, Henry I.	*Illinois*
Cohen, Bernard M.	*Illinois*
Cohen, David	*Illinois*
Combe, Lorain Clinton	*Illinois*

Cress, Henry Noah	*Illinois*
Davis, James Wesley	*Illinois*
Davis, Landis Young	*Illinois*
Deardorff, Frank Benson	*Illinois*
Demski, Casimir	*Illinois*
Denenholz, Edward Jack	*Illinois*
Dietrich, Edwin Frederick	*Illinois*
Dorman, Henry Pickett, B.S., M.S., Ph.D.	*Illinois*
Doyle, Francis E.	*Illinois*
Edinburg, Jacob	*Illinois*
Effron, David	*Illinois*
Eggers, Warren W.	*Illinois*
Erich, John B.	*Illinois*
Evans, Edward Graham	*Illinois*
Feiman, Daniel	*Illinois*
Felts, Clifton	*Illinois*
Fishel, Glenn Francis	*Illinois*
Fox, William	*Illinois*
Galin, Jack	*Illinois*
Galloway, Andrew	*Illinois*
Garland, John C.	*Iowa*
Gillesby, William Janes, S.B.	*Illinois*
Glenner, Robert Joseph	*Illinois*
Groppe, Harry Robert Charles	*Illinois*
Hanley, Delos Reed	*Illinois*
Hansen, Stephen John	*Illinois*
Harter, Irving Maurice	*Illinois*
Hartley, Theodore, B.S.	*Illinois*
Herman, Alfred	*Illinois*
Holleman, William Wallace	*Illinois*
Horwitz, Bernard	*Illinois*
Hudson, Theodore R., A.B.	*Illinois*
Hyman, Samuel A.	*Illinois*
Jacobs, Howard Matthew	*Illinois*
Johnson, Richard Paul	*Illinois*
Kaplan, Hyman Joseph, A.B.	*Illinois*
Kaplan, Morris Aaron	*Illinois*
Kaplan, Philip	*Illinois*
Kaufman, Charles Herman	*Illinois*
Kaufman, Irving	*Illinois*
Kenward, Roy L.	*Illinois*
Klein, Reuben, A.B.	*Illinois*
Krakow, Clarence Samuel	*Illinois*
Kuehl, Fred Otto	*Illinois*
Kweder, David J.	*Illinois*
Larson, Wilbur Mayo	*Illinois*
Lerner, David	*Illinois*
Lipow, Eugene George, Ph.G.	*Illinois*
Loseff, Samuel Alvin	*Illinois*

McCune, Robert, Jr.	*Illinois*
Malinauskas, Vladas	*Illinois*
Merritt, James B. S.	*Illinois*
Nancarrow, Richard Glenn	*Illinois*
Neeseman, Arthur C.	*Illinois*
Newell, Robert Henry	*Illinois*
Nye, William A.	*Illinois*
Oakes, Harold Forest	*Illinois*
Olsen, Roger Ralph	*Illinois*
Pearson, Abe Nathan	*Illinois*
Ponzer, Ernest D.	*Illinois*
Poticha, Joseph	*Illinois*
Price, Sidney	*Illinois*
Rafferty, Theodore Newell	*Illinois*
Ragins, Alex.	*Illinois*
Reznick, Samuel	*Illinois*
Richmond, Samuel Irving	*Illinois*
Riskind, Lester	*Illinois*
Ritt, Arnold Elmer Frederick	*Illinois*
Roloff, Clare Harvey	*Illinois*
Ross, Edward	*Illinois*
Rossiter, Lewis James	*Illinois*
Rubin, Harold Xavian	*Illinois*
Rue, Doran Therman, A.B.	*Illinois*
Saberman, Meyer Irving	*Illinois*
Sandberg, Ivan M.	*Illinois*
Sanfilippo, Paul D.	*Illinois*
Schell, Milton Charles	*Illinois*
Schindler, John Andrew	*Illinois*
Schleger, Karl William	*Illinois*
Schnepp, Kenneth H.	*Illinois*
Schultz, May Louise	*Illinois*
Schutz, William Jack	*Illinois*
Seaton, Ralph M.	*Illinois*
Shapiro, Louis Bernard	*Illinois*
Shaw, Maurice Maceo, B.A.	*Illinois*
Silverstone, Euegene Henry, B.S., Ph.C.	*Illinois*
Simons, Joseph	*Illinois*
Smith, Francis Kirk	*Illinois*
Smith, Russell Lee	*Illinois*
Sommer, Conrad Samuel	*Illinois*
Spiegel, Maurice J.	*Illinois*
Stark, Walter Alfred A.B.	*Illinois*
Steck, Isadore E.	*Illinois*
Strohl, Everett Lee	*Illinois*
Swanson, Paul Edgar	*Illinois*
Taft, Emanuel	*Illinois*
Taylor, Marion Meredith, B.E.	*Illinois*
Terman, Louis A.	*Illinois*

Thelen, Leo Leonard	*Illinois*
Thomson, Stewart Craig, A.B.	*Illinois*
Van Der Aue, Otto Ernest	*Illinois*
Wachowski, Theodore John	*Illinois*
Washington, John Campbell	*Illinois*
Waters, Carl Fremont	*Illinois*
Welker, Dorothy Hutchinson, A.B.	*Illinois*
Wente, Constantin Frederick	*Illinois*
Wilson, Arthur D.	*Illinois*
Wixted, John Francis, A.B.	*Massachusetts*
Younger, Edward Francis	*Illinois*
Zeitlin, Howard	

UNIVERSITY OF ILLINOIS
THE GRADUATE SCHOOL

Graduate Courses in Medicine

Departments of

Anatomy; Dermatology; Laryngology, Rhinology and
Otology; Medicine, Pediatrics and Bio-Physics;
Obstetrics and Gynecology; Ophthalmology;
Pathology and Bacteriology; Pharmacology;
Physiology and Physiological
Chemistry; Surgery.

Announcement for
Summer Quarter of 1928, June 8-August 31
and Session of 1928-29
1928

THE GRADUATE SCHOOL

THE EXECUTIVE FACULTY[1]

DAVID KINLEY, PH.D., LL.D., PRESIDENT OF THE UNIVERSITY

ARTHUR HILL DANIELS, PH.D., *Professor of Philosophy and Dean of Graduate School*
ROGER ADAMS, PH.D., *Professor of Organic Chemistry*
ERNEST BERNBAUM, PH.D., *Professor of English*
WILLIAM LEONIDAS BURLISON, PH.D., *Professor of Crop Production*
EDWARD HERBERT CAMERON, PH.D., *Professor of Educational Psychology*
ARTHUR BYRON COBLE, Ph.D., *Professor of Mathematics*
MAXWELL JAY DORSEY, Ph.D., *Professor of Pomology*
HERBERT FISHER MOORE, M.M.E., D.Sc., *Research Professor of Engineering Materials*
REXFORD NEWCOMB, A.M., M.ARCH., A.I.A., *Professor of the History of Architecture*
WILLIAM ABBOTT OLDFATHER, Ph.D., *Professor of Classics*
WILLIAM SPENCE ROBERTSON, PH.D., *Professor of History*
HENRY PERLY RUSK, M.S., *Professor of Beef Cattle Husbandry*
FRED WILBUR TANNER, PH.D., *Associate Professor of Bacteriology*
ARTHUR CUTTS WILLARD, B.S., *Professor of Heating and Ventilation*
GEORGE PHILIP TUTTLE, JR., B.S., *Registrar and Secretary of the Executive Faculty*

STANDING COMMITTEE ON GRADUATE WORK IN MEDICINE AND DENTISTRY

DAVID JOHN DAVIS, PH.D., M.D., *Chairman*
FREDERICK BOGUE NOYES, B.S., D.D.S., D.Sc.
HUGH ALISTER MCGUIGAN, PH.D., M.D.
CARL ARTHUR HEDBLOOM, M.D., PH.D.
WILLIAM HENRY WELKER, PH.D., *Secretary*

THE TEACHING FACULTY[2]

1928-29

DAVID JOHN DAVIS, Ph.D., M.D., *Professor of Pathology and Bacteriology and Head of Department, and Director of Graduate Work in Medicine*
HUGH ALISTER MCGUIGAN, Ph.D., M.D., *Professor of Pharmacology, Materia Medica, and Therapeutics, and Head of Department*
WILLIAM HENRY WELKER, PH.D., *Professor of Physiological Chemistry*
VICTOR EMANUEL EMMEL, Ph.D., *Professor of Anatomy and Head of Department*
WILLIAM F. PETERSEN, M.D., *Professor of Pathology and Bacteriology*
OTTO FREDERICK KAMPMEIER, PH.D., M.D., *Professor of Anatomy*
OLAF BERGEIM, Ph.D., *Associate Professor of Physiological Chemistry*

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[1] The administration of the Graduate School is conducted by the Executive Faculty, appointed from year to year by the President on nomination of various departments and recommendations of the Dean of the Graduate School.

[2] The Teaching Faculty includes all those who at any time give courses of strictly graduate character. Such courses are accepted for major credit and are numbered one hundred and upwards. For the present such courses are offered by the above faculty.

CHARLES SPENCER WILLIAMSON, M.D., *Professor of Medicine and Head of Department*

NORVAL PIERCE, M.D., *Professor of Laryngology, Rhinology and Otology and Head of Department*

JULIUS HAYES HESS, M.D., *Professor of Pediatrics*

HERMAN MORRIS ADLER, M.D., *Professor of Criminology and Head of Department of Social Hygiene, Criminology and Medical Jurisprudence*

FRANCES EUGENE SENEAR, M.D., *Professor of Dermatology and Head of Department*

CARL ARTHUR HEDBLOM, M.D., PH.D., *Professor of Surgery and Head of Department*

ALBERT BACHEM, PH.D., *Professor of Bio-Physics*

LLOYD ARNOLD, M.D., *Associate Professor of Bacteriology and Preventive Medicine*

EDWARD ALLN BOYDEN, PH.D., *Professor of Anatomy*

ROBERT M. OSLUND, PH.D., *Associate Professor of Physiology*

GRADUATE WORK IN MEDICINE

ADMISSION

Admission to the Graduate School may be granted to graduates of institutions whose requirements for the bachelor's degree are substantially equivalent to those of the University of Illinois, and to applicants from other institutions approved by the Executive Faculty, as hereinafter provided. *Admission to the Graduate School does not, however, imply admission to candidacy for an advanced degree, and gives no right or claim to be so admitted. Such candidacy is determined by the faculty after the student has demonstrated by his work here, for from two to five months, that he has ability to do major work of graduate character. A mere accumulation of "credits" or "grades" is not sufficient.*

Admission to graduate courses may be granted only to those who have had the requisite undergraduate work in those courses or departments. But a student of mature age who satisfies the Director and the department concerned of his ability to pursue graduate work in a given line may be enrolled in particular graduate courses, without reference to a degree, and permitted to carry on such study or investigation under the direction of a department of the University as the department shall recommend and the Dean approve.

Application blanks for admission may be secured from the Secretary of the Committee on Graduate Work in Medicine. Every applicant must submit with his application for admission an official transcript of his college record.

REGISTRATION AND PROGRAM OF STUDY

The following regulations concerning registration and program of studies are laid out primarily for first-year students. Second-year and third-year graduate students fill out their programs irrespective of the unit value of courses, according to their needs, under the advice of their instructors.

Registration.—Each graduate student must register at the beginning of each semester.

The registration of a new student may be accepted at any time provided the student is prepared to take up courses actually under way. Credit towards the fulfillment of the residence requirement dates, however, from the time of registration and not from the beginning of the semester or year in which the student enters. Registration will not be permitted later in the year than April 1, except in the case of students who expect to continue through the summer session, or are returning to complete a year's work which has been interrupted by unavoidable circumstances.

The first registration, or that on entrance, is permitted only after the student's application for admission to the Graduate School, setting forth his educational attainments, has been duly approved.

Seniors and Graduate Study.—If at the beginning of the second semester of his senior year a student, who has been in residence at least one year, is within five hours of a bachelor's degree, he may be permitted to register for courses which may count for residence for a master's degree; provided his program does not require more than twelve formal class, lecture, or laboratory exercises a week, and is approved by the Dean at the time of registration.

Failures.—A graduate student who fails in any course in his major subject cannot secure his degree in the same year in which the failure occurred. No condition examinations are given graduate students.

Students on the Staff.—Assistants and others on the University staff who undertake to do graduate work are permitted to take an amount of work determined by the terms of their employment. Such a student, if required by his engagements to teach more than five classes a week or to have laboratory work or supervision exceeding ten hours a week, may not receive his master's degree at the end of one year, nor his doctor's degree at the end of three.

Residence and Work Done Elsewhere.—Continuous residence and study are required of all members of the Graduate School, unless they are granted leave of absence by the Director, upon recommendation of the professor in charge of their work, for the purpose of carrying on elsewhere studies or investigation in the line of work for their degrees.

Members of the staff who have done graduate work in approved institutions elsewhere may secure credit not to exceed four units towards the master's degree by passing examinations in that work. They may complete the work for the degree by securing at least four units more while registered in the Graduate School for not less than one academic year.

Withdrawal.—If after registration a graduate student wishes to withdraw from any course or to add other work, he must first secure the necessary papers from the Director's office. If he wishes to withdraw from the University he must get clearance papers at the Director's office.

DEGREES

The Degree of Master of Science

Character of Master's Degree.—The master's degree conferred depends upon the character of the bachelor's degree. The usual practice is that A.M. shall follow A.B., and that M.S., shall follow B.S. However, this practice may be departed from in cases where the undergraduate course of study was of a kind for which some reputable institutions in this country give A.B., while others give B.S.

Amount of Work Required.—Candidates for the degree of Master of Arts or Master of Science are required to do at least one full year's work in residence, including a thesis. By this is meant from four to five unit courses each semester, or their equivalent. A unit course is one which requires ten hours of time a week through one semester, or fifteen hours of time a week through the summer quarter of twelve weeks, irrespective of the mode of distribution of that time in class work, laboratory work, and private study. Four such courses or their equivalent constitute a full *minimum* program for one semester, and eight such courses, or their equivalent, constitute the *minimum formal* year's work accepted for a master's degree. Only first-rate students are permitted to secure a degree with this minimum program.

Unless otherwise permitted, every student must take each semester at least one course open to graduate students only (courses numbered 100 and upwards).

In the first year of his graduate study each student is required to attend a minimum of four formal class, lecture, or laboratory exercises a week. In no case is he permitted during his course to attend more than twelve a week, without permission.

Grades.—Students' work is graded in five classes, A, B, C, D, and E. The last indicates a failure. D indicates unsatisfactory, though passable, work.

A student who receives two units of a grade below B during his first year of graduate work may not complete the first year of residence by carrying the minimum program of eight units for the master's degree. Three units of a grade below B disqualify a student as a candidate for a degree.

A failure or absence from examination in any course may prevent the conferring of the degree; and, as already indicated, failure in any course in the major field precludes the conferring of the degree in the same year.

Majors and Minors.—A candidate for a master's degree may do all his work in one subject, or he may select a major and one minor, or a major and two minors. A major or minor denotes the field of knowledge of a department, or such part thereof as constitutes a separate and independent division of that field. For a master's degree a major is at least half the work, or a minimum of four units, for one year. Less than one unit may not be counted as satisfying the requirements of a minor without the approval of the department concerned.

Foreign Language.—The ability to use one or more of the modern languages ordinarily studied in the undergraduate curriculum is expected of all candidates for the master's degree, and in some lines of study is required. On this matter students should consult the heads of the departments in which their major subjects lie.

Master's Thesis.—Each candidate for a master's degree is required to present a thesis on some subject approved by the professor in charge of his major work and the Executive Faculty of the Graduate School. Such approval, except in the case of students working for master's degrees in summer sessions only, must be secured not later than the end of the sixth week of the year of residence. The requirement of a thesis may be waived, however, upon the recommendation of the head of the department in which the student is doing his major work and the approval of the Director, provided application to waive the thesis is made at the time for announcing thesis subjects. A student excused from writing a thesis must replace it with additional courses of instruction.

No one will be excused from writing a thesis unless one-half of his program of studies consists of courses numbered 100 and upwards.

The thesis required from a candidate for a master's degree ordinarily will demand one-fourth of the student's time and may not exceed one-third of it. The thesis must be typewritten, on "thesis-paper,"[1] and the title page must be printed. The thesis in its final form, together with a certificate of approval by the proper officer, must be sent by the professor in charge to the Dean's office at least two weeks before the date on which the degree is to be conferred. No article prepared for another use, or previously published, will be accepted as a thesis.

Under proper conditions a student may be permitted to complete the last fourth of his work, if devoted to his thesis, under leave of absence for a period not to exceed the equivalent of two semesters. To get such permission the student must have secured proper credit for at least six units; must petition for the privilege; must submit to the Dean an outline of the proposed investigation, approved by the head of his major department; and must submit satisfactory evidence that adequate facilities are available to him at the place where he intends to do the proposed work. Approval on all these points must be obtained one collegiate year before the thesis is due. Immediately following approval the student must register and pay an incidental fee of $20.00.

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[1] No other will be accepted by the Dean. "Instructions for the Preparation of Theses" may be obtained at the Secretary's Office, Room 309, Research Laboratory and Library Building.

Applications for Degrees.—Each candidate for the degree of Master of Arts or Master of Science shall file an application for the degree on a blank provided for the purpose, to be had at the Dean's office. For the dates of applications and of deposition of theses, consult the calendar at the beginning of the bulletin.

The Degree of Doctor of Philosophy

Major and Minor Subjects.—A member of the Graduate School who desires to become a candidate for the degree of Doctor of Philosophy is required to pursue a major subject in the department in which his research lies. He is also required to choose one minor subject, or he may choose two. If one minor only is chosen it must be taken in a department of study other than that of the major, and credit for it may be earned by work representing not less than four units, or one-sixth of the total residence required for the doctorate. If two minors are chosen, one must be a subject closely related to the major. With the approval of the adviser it may be a division of the major field of study. If the second minor is outside the department of major study, it may be satisfied by work representing not less than two units or one-fourth of a year of residence.

Except by special permission of the Dean the preliminary examination in major and minor subjects may not be taken until the minor work has been done.

Method of Computing Residence.—Credit for a full year of graduate work means that the student has during that time devoted all his working time and energy to study of a graduate grade. After the first year of residence credit is not recorded in units, and there is no fixed correspondence between credit and course as in undergraduate work. Thus it is possible for a second-year student to devote all his time to one course and his research; and for a third-year student to devote all his time to his research work alone.

Period of Study.—The *minimum* period of study required for securing the degree of Doctor of Philosophy is three years, during which the student is required to devote all his working time to his studies. All three years must be spent in residence at some accredited educational institution, and either the first two or the last one of the three must be spent at the University of Illinois. The degree is conferred, however, not for residence during a certain period, but for scholarly attainments and power of investigation, as proved by thesis and examinations.

Work Done in Other Universities.—Credit for graduate work done in other universities is not "transferred." However, it may be accepted on examination as equivalent to resident work at the University of Illinois, provided the institution in which it was done is of high standing.

EXAMINATIONS

Preliminary.—A. In major and minors.—Toward the end of his second year of study, or by special permission, at the beginning of his third year, the candidate for the degree must submit to a preliminary examination, in order to determine whether he will be accepted as a candidate for the degree in the following year. This examination is intended to test the student's knowledge of the fields of his major and minor subjects of study only. It is partly oral, and may be wholly so.

The student will not be admitted to his preliminary examination until the faculty is satisfied that he has finished substantially the equivalent of two years' graduate work. He must do a full year's graduate work between his preliminary examination and the completion of his work for the doctorate.

B. In Languages.—The candidate will be required to demonstrate his ability to read French and German and other languages needed in his work. This test of proficiency in the use of French and German must be passed before the student is admitted to the preliminary examination in major and minor subjects.

Final Examination.—At least two weeks before the time when the degree is conferred, the candidate must submit to a final examination, given by a committee appointed by the Dean. This examination is primarily on the research work of the student, as embodied in his thesis, but is not confined to that. It extends to the whole field of study of the candidate. It will not be confined to the courses which the candidate has attended in the University of Illinois only, if he has done part of the work elsewhere; nor even to the field covered by the courses, specifically taken in this or other universities; but will be so conducted as to determine whether the candidate has a satisfactory grasp of his major subject as a whole, and a general acquaintance with the fields of knowledge represented by his course of study.

The final examination may not be divided. The examination must be taken all at one time tho it requires several sessions.

If after having passed his preliminary examination, he fails in the third year of his study to meet the expectations of the professors in charge of his work, or in any way fails to maintain the standard of scholarship and power of research expected of him, he may be refused admission to the final examination.

Other Examinations.—Before the candidate is admitted to the final examination and the defense of his thesis, he may be required to take any other examination, oral or written, that is thought proper by the various departments in which he has studied.

The above examinations are in addition to those in the courses for which the student is registered. These must be taken at times for which they are set in the examination schedule.

Thesis.—The power of independent research must be shown by the production of a thesis on some topic connected with the major subject of study. The candidate is expected to defend his thesis or dissertation before the members of the faculty, or as many of them as may wish to question him about it, in connection with his final examination.

The subject of the thesis should be chosen not later than the end of the second year of residence and must be submitted for formal approval by the faculty not later than six weeks from the beginning of his third year of residence.

A typewritten copy of the complete thesis, *on thesis paper*,[1] and in final form must be deposited in the office of the Dean for presentation to the examining committee not later than two weeks prior to the final examination, and not less than four weeks before the time when the degree is conferred. At the same time, the candidate must deposit with the Dean a manuscript of the essential part, or an abstract, or a digest of his thesis, in condition for publication at a cost not to exceed seventy-five dollars ($75). The manuscript must be sufficient to show the method followed, the evidence used and the conclusions reached in the investigation, and must bear the approval of the department and the Executive Faculty of the Graduate School.

The candidate must pay to the Comptroller before graduation the sum of seventy-five dollars ($75) out of which the University will print at least one hundred copies of this manuscript for circulation by the University, unless the thesis entire or in abbreviated form is published by the author or is accepted for publication by a standard journal or publisher within a year from the date of graduation. In the latter event, and after one hundred copies have been presented to the University by the writer, the cash deposit shall be returned to him.

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[1] No other will be accepted by the Dean.

The typewritten and printed forms of the thesis must comply with the regulations given in "instructions for the preparation of masters' and doctors' theses," copies of which may be obtained at the Dean's office.

GRADUATE SCHOLARSHIPS AND FELLOWSHIPS

A number of scholarships and fellowships have been established by the Trustees of the University. To first-year graduate students of ability and promise there are open a number of scholarships with a stipend of $300 each and freedom from tuition, incidental and laboratory fees.[1] To second-year and third-year graduate students, that is, those who have had one or two years of graduate study, there are open fellowships with stipends of $400 and $500, with freedom from the above-mentioned fees. The larger stipends are given only to students who are expected to take their degrees within the year. Each holder of a fellowship or scholarship must pay the matriculation fee of ten dollars, unless he holds a first degree from the University of Illinois, and also the diploma fee of ten dollars on receiving his diploma.

Candidates for these scholarships and fellowships must be graduates of the University of Illinois or of colleges or universities having equivalent requirements for bachelors' degrees.

Application must be made on blanks to be obtained from the Dean of the Graduate School. These application forms should be sent to the Dean of the Graduate School as early as possible in February of the academic year preceding that for which the fellowship is desired. No application will be considered if received later than March first, until after April fifteenth, the date when appointees from the first list of applicants must accept or refuse their appointments.

Persons appointed are notified on April first and must send the Secretary of the Board of Trustees notice of their acceptance or refusal by April fifteenth and must agree that, if accepted, the appointment will not be resigned to take a similar one in any other institution during the year for which it is awarded.

Nominations to fellowships are made on the grounds of worthiness of character, scholastic attainments, and promise of success in the principal line of study or research to which the candidate proposes to devote himself. Scholarships and fellowships are not given to candidates who are over thirty years of age at the time when the appointment is to be made.

An appointment as honorary fellow, without stipend, may be made as specified for paid fellowships in the case of one who has shown distinguished merit in his work.

Fees and Expenses.—Except as noted below, graduate students in medicine pay fees as follows:

Matriculation fee	$10.00
Incidental fee (summer quarter)	20.00
Students not residents of Illinois pay an incidental fee of	30.00
Incidental fee (semester)	25.00
Students not residents of Illinois pay each semester an incidental fee of	37.50
Laboratory deposit (each quarter or semester)	15.00
Diploma fee	10.00

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[1] Up to a certain amount.

All graduate students who have not matriculated as undergraduates at the University of Illinois pay the matriculation fee on entrance.

All graduate students pay the diploma fee on being recommended for their degrees.

No tuition or incidental fee is charged for graduate courses to members of the corps of instruction, or of the staffs of the scientific bureaus or experiment stations who are appointed by the Board of Trustees, nor for undergraduate courses on their study-lists if approved by the heads of the departments and by the Dean of the School as necessary or desirable for the proper completion of the work for the degree.

Each student working in laboratories is required to make a deposit of fifteen dollars to pay for chemicals and apparatus used and for any breakage or damage. No charge or deposits for laboratory materials are required from members of the corps of instruction or the scientific staffs mentioned above.

LIBRARY

Adequate library facilities are essential to the prosecution of graduate work and research. In the library of the College of Medicine may be found files of journals, monographs, separates, and standard texts supplying nearly every need.

A list of files of journals appears on pages 108-115.

DEPARTMENTS OF INSTRUCTION

ANATOMY

101. Histogenesis and Experimental Morphology.—Cytological and morphological changes in the organism which are directly correlated with normal processes, such as reproduction, differentiation, nutrition, growth, variation, regulation, regeneration, activity, secretion, rest, fatigue, senility.—*One or two units.*

Professors Emmel, Kampmeier, Boyden

103. Individual Research and Embryology and Histogenesis.—*One or two units.*

Professors Emmel, Kampmeier, Boyden

DERMATOLOGY

101. Research work in Dermatology.—*One to three units.* Professor Senear

LARYNGOLOGY, RHINOLOGY AND OTOLOGY

101. Research work in Laryngology, Rhinology and Otology.—*One to three units.* Professor Pierce

MEDICINE, PEDIATRICS AND BIO-PHYSICS

101. Research work in Medicine.—*One to three units.* Professor Williamson

101. Research work in Pediatrics.—*One to three units.* Professor Hess

101. Research work in Bio-Physics.—*One to three units.* Professor Bachem

OBSTETRICS AND GYNECOLOGY

101. Research work in Obstetrics and Gynecology.—*One to three units.*

Professor Falls

OPHTHALMOLOGY

101. Research work in Ophthalmology.—*One to three units.* ____________

PATHOLOGY AND BACTERIOLOGY

101. Advanced Pathogenesis.—Etiology and pathogenesis of certain diseases with especial consideration of the role that the lower animals play in the transmission of human disease. Lectures, conferences, demonstrations, assigned readings.—*One or two units.*

Professor Davis, Professor Petersen, Associate Professor Arnold

103. Individual Research Course.—*One to two units.*

Professor Davis, Professor Petersen, Associate Professor Arnold

PHARMACOLOGY

101. Advanced Pharmacodynamics.—Laboratory work.—*One or two units.*
Professor McGuigan

103. Research Work in Pharmacodynamics.—*One or two units.*
Professor McGuigan

PHYSIOLOGY AND PHYSIOLOGICAL CHEMISTRY

101. Advanced Biological Chemistry.—Biochemical methods of research, biological colloids, enzyme action, and metabolism.—*One or two units.*
Professor Welker, Associate Professor Bergeim

103. Biochemical Research.—*One or two units.*
Professor Welker, Associate Professor Bergeim

105. Advanced Physiology.—An introduction to original work in Experimental Physiology. Individual instruction in fundamental methods. Laboratory course.—*One or two units.* Associate Professor Oslund

109. Research Work in Physiology.—*One or two units.*
Associate Professor Oslund

SURGERY

101. Research Work in Surgery.—*One to three units.* Professor Hedblom

JUVENILE BEHAVIOR

101. Research Work in Juvenile Behavior.—*One to three units.*
Professor Adler

REGISTER OF STUDENTS

GRADUATE SCHOOL

1927-1928

SUMMER QUARTER—1927

Aaronson, Abraham Louis—Physiological Chemistry. B.S., 1926. Chicago.

Afremow, Melvin Louis—Bacteriology. B.S., University of Chicago, 1926. Chicago.

Birch, Carroll LaFleur—Medicine. B.S., University of Pennsylvania, 1920, M.D., 1926, M.S., 1927. Chicago.

Blayney, James Roy—Orthodontia. D.D.S., Northwestern University, 1913, B.S. Lewis Institute, 1924. Chicago.

Boor, Alden Kinney—Physiological Chemistry. B.S., M.S., John B. Stetson University, 1914, 1923. Chicago.

Busby, John Ambrose Clark—Obstetrics. B.S., Grinnell College, 1915, M.D., University of Nebraska, 1921. Chicago.

Cahan, Meyer—Pharmacology. B.S., 1927. Chicago.

Cole, Arthur Gideon—Physiological Chemistry. B.S., University of Chicago, 1920. Chicago.

Ets, Harold Norris—Pharmacology. B.S., University of Rochester, 1920, M.S., 1923. Chicago.

Ewing, Paul Leon—Pharmacology. B.A., Milton College, 1926. Oak Park, Ill.

Joannides, Minas—Surgery. M.D., Washington University, 1921. Chicago.

Johnson, Clarence Albert—Physiological Chemistry. B.S., M.S., University of Chicago, 1925, 1928. Waterford, Wis.

Kaplan, Bertha—Medicine, B.S., M.S., University of Chicago, 1916, 1921. Chicago.

Kesel, Robert George—Bacteriology. D.D.S., 1926. Aurora, Ill.

Klein, Reuben—Physiological Chemistry. A.B., 1927. Chicago.

Kroeger, Hilda Hertha—Physiological Chemistry. B.S., University of Arizona, 1924, M.S., 1926. Tucson, Ariz.

Kunstadter, Ralph Hess—Pathology. B.S., 1927. Chicago.

Lash, Abraham Fae—Obstetrics. B.S., University of Chicago, 1919, M.D., Rush Medical College, 1921. Chicago.

Learner, Aaron—Pathology. B.S., 1927. Chicago.

Libman, Minna—Juvenile Behavior. A.B., 1924, B.S., 1926. Chicago.

MacFate, Robert Preston—Physiological Chemistry. Ch.E., Lehigh University 1925. Chicago.

Melnick, Perry Julius—Pathology. B.S., 1927. Chicago.

Miller, William Edward—Bacteriology. A.B., Fisk University, 1923. Chicago.

Mizuno, Shiro—Orthodontia. D.D.S., Tokio Dental College, 1920, D.D.S., Washington University, 1926. Japan.

Munger, Lilla—Bacteriology. A.B., Colorado College, 1923. Denver, Colo.

Orr, Eli Holmes—Physiological Chemistry. Chicago.

Schiller, Maurice Aaron—Medicine, B.S., 1927. Chicago.

Streicher, Michael Henry—Medicine. B.S., 1922, M.S., 1925, M.D., 1926. Chicago.

Stuart, Carroll W.—Oral Pathology, D.D.S., 1912, B.S., 1927. Chicago.

Webb, Richard Lockwood—Anatomy. A.B., 1924, M.S., 1925. Farmer City, Ill.

Wilson, Margaret Eugenie—Physiological Chemistry. A.B., Colorado College, 1926. Pueblo, Colo.

SESSION 1927-28

Aaronson, Abraham Louis—Physiological Chemistry. B.S., 1926. Chicago.

Afremow, Melvin Louis—Bacteriology. B.S., University of Chicago, 1926. Chicago.

Armstrong, Robert Bruce—Physiological Chemistry. B.S., Alma College, 1926. Charlevoix, Mich.

Arquin, Sergius Felix—Pathology. B.S., 1925. Chicago.

Bellows, John Goldfreed—Pathology. B.S., 1927. Chicago.

Birch, Carroll LeFleur—Medicine. B.S., University of Pennsylvania, 1920, M.D., 1926, M.S., 1927. Chicago.

Blayney, James Roy—Orthodontia. D.D.S., Northwestern University, 1913, B.S., Lewis Institute, 1924. Chicago.

Boikan, William—Pathology. B.S., 1925. Chicago.

Boor, Alden Kinney—Physiological Chemistry. B.S., M.S., John B. Stetson University, 1914, 1923. Chicago.

Boswell, Clay Stephen—Pathology. B.S., 1927. St. Louis, Mo.

Braunstein, Benjamin Davis—Pathology. B.S., 1926. Chicago.

Browne, William Harcourt—Obstetrics. B.S., 1919, M.D., 1921. Chicago.

Busby, John Ambrose Clark—Obstetrics. B.S., Grinnell College, 1915. M.D., University of Nebraska, 1921. Chicago.

Cole, Arthur Gideon—Physiological Chemistry. B.S., University of Chicago, 1920. Chicago.

Deuss, Hugo Otto—Medicine. B.S., 1922, M.D., 1925. Chicago.

Downs, William Benham—Orthodontia. D.D.S., 1926. Batavia, Ill.

Dreyer, Irving—Anatomy. Chicago.

Emch, Minna Libman—Juvenile Behavior. A.B., 1924, B.S., 1926. Chicago.

Ets, Harold Norris—Pharmacology. B.S., University of Rochester, 1920, M.S., 1922. Chicago.

Ewing, Paul Leon—Pharmacology. B.A., Milton College, 1926. Oak Park, Ill.

Finder, Jerome Gordon—Bacteriology. A.B., 1926. Chicago.

Freeman, Ralph Waldo—Physiological Chemistry. A.B., 1926. Ogden, Ill.

Gray, John Wilson—Anatomy. B.S., 1927. Chicago.

Jentzsch, Richard Alvin—Orthondontia. D.D.S., 1926. Oak Park, Ill.

Joannides, Minas—Surgery. M.D., Washington University, 1921. Chicago.

Johnson, Clarence Albert—Physiological Chemistry, B.S., M.S., University of Chicago, 1925, 1928. Waterford, Wis.

Kaplan, Bertha—Mecidine, B.S., M.S., University of Chicago, 1916, 1921. Chicago.

Kaplan, Hyman Joseph—Bacteriology. A.B., 1927. Champaign, Ill.

Kesel, Robert George—Bacteriology. D.D.S., 1926. Aurora, Ill.

King, Ernest Quinchester—Physiology. A.B., University of Utah, 1926. Salt Lake City, Utah.

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Kunstadter, Ralph Hess—Pathology. B.S., 1927. Chicago.
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Rosenthal, Sol Roy—Surgery. B.S., 1925. Chicago.
Schiller, Maurice—Medicine. B.S., 1927. Chicago.
Schour, Isaac—Oral Surgery. B.S., University of Chicago, 1921, D.D.S., 1924. Chicago.
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Stuart, Carroll W.—Bacteriology. D.D.S., 1912. B.S., 1927. Chicago.
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Webb, Richard Lockwood—Anatomy. A.B., 1924: M.S., 1925. Farmer City, Ill.
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DEGRESS CONFERRED

DEGREE OF MASTER OF SCIENCE

Conferred June 9, 1928

In Obstetrics

John Ambrose Clark Busby, B.S., Grinnell College, 1915, M.D., University of Nebraska, 1921

In Surgery

Minas Joannides, M.D., Washington University, 1921

In Oral Surgery

Isaac Schour, B.S., University of Chicago, 1921, D.D.S., 1924.

DEGREE OF DOCTOR OF PHILOSOPHY

Conferred February 14, 1928

In Physiological Chemistry

Arthur Gideon Cole, B.S., University of Chicago, 1920.

The Proteins of Egg White. The Proteins in Egg White and Their Relationship to Blood Proteins of the Domestic Fowl as Determined by the Precipitin Reaction.

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Abstracts of Bacteriology
Acta Ophthalmologica
Acta Oto-laryngologica
Acta Psychiatrica et Neurologica
Acta Radiologica
Acta Scholae Medicinalis Universitatis Imperialis Kiota
Aichi Journal of Experimental Medicine
Albany Medical Annals
Alienist and Neurologist
American Anthropologist
American Dental Surgeon
American Heart Journal
American Journal of Anatomy
American Journal of Diseases of Children
American Journal of Electrotherapeutics and Radiology
American Journal of Hygiene
American Journal of Insanity
American Journal of the Medical Science
American Journal of Nursing
American Journal of Obstetrics and Diseases of Women and Children
American Journal of Obstetrics and Gynecology
American Journal of Ophthalmology
American Journal of Orthopedic Surgery
American Journal of Pathology
American Journal of Physical Anthropology
American Journal of Physical Therapy
American Journal of Physiology
American Journal of Psychiatry—new series
American Journal of Public Health
American Journal of Roentgenology
American Journal of Surgery
American Journal of Syphilis
American Journal of Tropical Diseases
American Naturalist
American Review of Tuberculosis
Anatomical Record
Anatomische Hefte
Anatomischer Anzeiger
Anatomischer Bericht
Annales d'Anatomie Pathologique
Annales de Chirurgie et Orthopedie
Annales de Dermatologie et de Syphilographie
Annales de Gynécologie et d'Obstétrique
Annales d' Hygiene Publique
Annales de l'Institut Pasteur
Annals of Clinical Medicine
Annals of Eugenics
Annals of Medical History
Annals of Opthalmology
Annals of Otology, Rhinology and Laryngology
Annals of Surgery
Annals of Tropical Medicine and Parasitology
L'Année Biologique

Arbeiten aus dem anatomischen Institut, Tokio
*Arbeiten aus dem anatomische Institut der Universität zu Sendai
*Arbeiten a.d. Gebiete d. pathologischen Anatomie u. Bacteriologie aus der pathologisch-anatomischen Institut zu Tübingen
*Arbeiten aus dem Institut für Experimentelle Theropie und dem Georg Speyer-Hause zu Frankfurt a. m.
*Arbeiten a.d. neurologisches Institut zu Wien
Arbeiten des pharmakologischen Institutes zu Dorpat
*Arbeiten des pharmazeutischen Institutes der Universität Berlin
*Archiv für Anatomie und Entwickelungsgeschichte
*Archiv für Anatomie und Physiologie (Physiologische Abteilung)
*Archiv für Anthropologie
*Archiv für Augenheilkunde
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Archiv für Ohrenheilkunde
*Archiv für Ohren-Nasen-und-Kehlkopfheilkunde
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*Archiv für Protistenkunde
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*Archives of Physical Therapy, X-Ray, Radium
*Archives of Radiology and Electrotherapy
Archives of the Roentgen Ray
*Archives de Tocologie des Maladies des Femmes
*Archives of Surgery
*Archivio Italiano di Anatomia e di Embriologia
*The Asclepiad
*Atlantic Medical Journal
*Beiträge zur chemischen Physiologie und Pathologie—Hofmeister's
*Beiträge zur Geburtshilfe und Gynaekologie

Beitrage zur klinische Chirurgie (Brun's)
Beiträge zur Klinik der Tuberkulose
**Beiträge zur pathologischen Anatomie und zur allgemeinen Pathologie*
**Berichte der Deutschen chemischen Gesellschaft*
**Berichte über die gesamte Gynäkologie und Geburtshilfe*
**Berichte über die gesamte Physiologie und experimentelle Pharmakologie*
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**Berliner klinische Wochenschrift*
**Bibliographia Physiologica*
**Bibliographia Zoologica*
**Bibliographie Anatomique*
**Biochemical Bulletin*
**Biochemical Journal*
**Biochemische Zeitschrift*
**Biochemisches Centralblatt*
**Biologia Generalis*
**Biologie und Pathologie des Weibes*
**Biological Bulletin*
**Biologisches Centralblatt*
**Biometrika*
**Biophysikalisches Zentralblatt*
**Boston Medical and Surgical Journal*
**Botanical Gazette*
**Brain*
**British Dental Journal*
**British Gynecological Journal*
**British Journal of Dental Science*
**British Journal of Dermatology*
**British Journal of Children's Diseases*
**British Journal of Experimental Biology*
**British Journal of Experimental Pathology*
**British Journal of Ophthalmology*
British Journal of Psychology
**British Journal of Radiology*
**British Journal of Surgery*
British Journal of Tuberculosis
**British Medical Journal*
**Bulletin de l'Académie de Médicine*
**Bulletin de l'Association Française pour l'étude du cancer*
**Bulletin de l'Institut Pasteur*
**Bulletin de la Société Française de Dermatologie et de Syphilographie*
**Bulletin de la Société d'Obstétrique et de Gynécologie de Paris*
**Bulletin de la Société de Pathologie exotique*
Bulletin d. l. Société d. Sciences médicales et biologiques
**Bulletin of the Association of American Medical Colleges*
**Bulletin of the National Research Council*
**Bulletin of the Society of Medical History of Chicago*
**Bulletins et Mémoires de la Société Anatomique de Paris*
Bulletins et Mémoires de la Société de Chirurgie de Paris
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**California and Western Journal of Medicine*
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**La Cellule*
**Centralblatt für allgemeine Pathologie und pathologische Anatomie*
**Centralblatt für Bakteriologie, Parasitenkunde und Infektionskrankheiten. Originale. Referate*
**Centralblatt für experimentellen Medizin*
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**Centralblatt für die Krankheiten der Harn und Sexualorgane*
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**Charité-Annalen*
**Chemical Abstracts*
**Chemical Review*
**Chemisches Centralblatt*
**Comptes rendus hebdomadaires des Séances de l'Academie des sciences*
**Comptes Rendus des Séances de la Société de Biologie*
**Cornell University Medical Bulletin*
**Correspondenzblatt für Schweizer Aerzte*
**Dental Cosmos*
Dental Record
**Dermatologische Wochenschrift*
**Dermatologische Zeitschrift*

*_Deutsche medizinische Wochenschrift_
*_Deutsche Monatsschrift für Zahnheilkunde_
*_Deutsche Zeitschrift für Chirurgie_
Deutsche Zeitschrift für gesamte gerichtliche Medizin
*_Deutsche Zeitshcrift für Nervenheilkunde_
*_Deutsches Archiv für klinische Medizin_
*_Dietetic and Hygiene Gazette_
*_Dominion Dental Journal_
*_Dublin Journal of Medical Sciences_
*_Edinburgh Medical and Surgical Journal_
*_L'Encephale_
*_L'Encephale (Journal des Maladies mentales et nerveuses)_
*_Endocrinology_
*_Ergebnisse der allgemeinen Pathologie und pathologischen Anatomie_
*_Ergebnisse der Anatomie und Entwickelungsgeschichte_
*_Ergebnisse der Geburtshilfe und praktische Gynäkologie_
*_Ergebnisse der innere Medizin und Kinderheilkunde_
*_Ergebnisse der Medizinischen Strahleuforschurg_
*_Ergebnisse der Physiologie_
Eugenics Review
*_Fermentforschung_
*_Folia Anatomica Japonica_
*_Folia Haematologica. Originale_
*_Folia Haematologica. Referate_
*_Folia Neuro-biologica_
*_Folia Neurologica_
*_Folia Serologica_
*_Folia Urologica_
*_Fortschritte auf dem Gebiete der Röntgenstrahlen_
Fortschritte der Medizin
*_Fortschritte der Zahnheilkunde_
*_Frankfurter Zeitschrift für Pathologie_
*_Gazette Hebdomadaire de Médicine_
*_La Gynécologie_
*_Gynécologie et d'Obstetrique_
*_Haematologica-Archivio Italiano di Ematologica_
*_Heart_
*_Hygeia (Chicago)_
*_Hygiea (Stockholm)_
L'Hygiene Mentale
*_Illinois Medical Journal_
*_Illinois State Laboratory of Natural History-Bulletin_
*_Index Catalogue of the Surgeon-General's Office_
*_Index Medicus_
*_Indian Journal of Medical Research_
L'Informateur des Alienistes et Neurologistes
*_International Association of Medical Museums Bulletin_
*_International Clinics_
International Journal of Orthodontia
*_International Journal of Psychoanalysis_
*_International Journal of Surgery_
*_International Medical Digest_
*_International Surgical Digest_
*_Internationale Monatsschrift für Anatomie und Physiologie_
*_Internationales Centralblatt für Harn und Sexualorgane_
*_Irish Journal of Medical Science_
*_Jahrbuch für Kinderheilkunde_
*_Jahrbuch der Psychoanalyse_
*_Jahresberichte der Ophthalmologie_
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*Jahresbericht über die Leistungen und Fortschritte in der gesamten Medizin (Constatt) (Virchow-Hirsch)
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*Jahresbericht über Haut- und Geschlechtskrankheiten
*Jahreskurse für ärztliche Fortbildung
*Janus
*Japan Medical Journal
*Jenaische Zeitschrift für Naturwissenschaft
*Johns Hopkins Hospital. Bulletin
*Johns Hopkins Hospital. Reports
*Journal de Chirurgie
*Journal des Maladies Syphilitiques
*Journal of Abnormal Psychology
Journal of Advanced Therapeutics
*Journal of Agricultural Research
*Journal of American Chemical Society
*Journal of the American Dental Association
*Journal of American Medical Association
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*Journal of Association of Official Agricultural Chemists
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*Journal of Biochemistry
*Journal of Biological Chemistry
*Journal of Bone and Joint Surgery
*Journal of Cancer Research
Journal of Chirurgie
*Journal of Clinical Investigation
*Journal of Comparative Neurology
*Journal of Comparative Psychology
*Journal of Cutaneous Diseases
*Journal of Dental Research
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*Journal of Experimental Zoology
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*Journal of Heredity
*Journal of Hygiene
*Journal of Immunology
*Journal of Indiana State Medical Society
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Journal of Laboratory and Clinical Medicine
Journal of Laryngology, Rhinology and Otology
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*Journal of Missouri State Medical Society
*Journal of Morphology
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Journal of Orthopaedic Surgery
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Journal de Physiologie et de Pathologie générale
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*Journal of Royal Microscopical Society
*Journal of Tropical Medicine and Hygiene
*Journal d'Urologie
*Journal of Urology
*Kitasato Archives of Experimental Medicine
*Klinische Monatsblätter für Augenheilkunde
*Klinische Wochenschrift
*Kolloid-Zeitschrift
*Kongresszentralblatt für die gesammte innere Medizin und ihre Greuzgebiete
*Krankheitsforschung
*Lancet
*Liebig's Annalen
*Lyon Médical
*Mayo Clinics

*Medical Clinics of Chicago
*Medical Clinics of North America
*Medical Journal and Record
Medical Life
*Medical Record
*Medicine
*Medizinal-statistische Mitteilungen aus dem kaiserlichen Gesundheitsamte
*Medizinische Klinik
*Mental Hygiene
*Military Surgeon
*Mind
*Mitteilungen über allgemeine Pathologie und pathologische Anatomie
*Mitteilungen aus dem Grenzgebieten der Medizin und Chirurgie
*Mitteilungen aus der medizinischen Fakultät der kaiserlichen Universität zu Tokyo
Mitteilungen zur Geschichte der Medizin und Naturwissenschaften
*Modern Hospital
*Monatshefte dür praktische Dermatologie
*Monatsschrift für Geburtshülfe und Gynäkologie
*Monatsschrift für Kinderheilkunde Originale. Referate
*Monatsschrift für Ohrenheilkunde
*Morphologisches Jahrbuch
*Münchener medizinische Wochenschrift
National Research Council Bulletin
*Nation's Health
*Neurologisches Centralblatt
*La Névraxe
*New Orleans Medical and Surgical Journal
*New York Lying-in Hospital Bulletin
*New York Medical Journal
*New York Pathological Society. Proceedings
*New York State Journal of Medicine
*La Nourisson
*Nouvelle Icongraphie de la Salpêtrière
*Nouvelles Archives d'Obstétrique et de Gynécologie
*Obstetrical Journal of Great Britain and Ireland
*L'Obstétrique
*Occupational Therapy and Rehabilitation
*Ophthalmic Record
Ophthalmic Review
*Ophthalmic Year Book
Pacific Dental Gazette
*Parasitology
La Pediatria
*Pediatrics
*Pennsylvania Medical Journal
Philippine Journal of Science
Physical Therapeutics
*Physiological Abstracts
*Physiological Review
*Practitioner
Prager medizinische Wochenschrift
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*Proceedings of the Society for Experimental Biology and Medicine
*Progressive Medicine
*Psychobiology
*Quarterly Cumulative Index to Current Medical Literature
*Quarterly Journal of Experimental Physiology
*Quarterly Journal of Medicine
*Quarterly Journal of Microscopical Science
*Quarterly Review of Biology
*Radiology
*Review of Neurology and Psychiatry
*Revista Medica de Barcelona
*Revue de Chirurgie
*Revue Française de Dermatologie et de Vénéréologie
*Revue de Gynaecologie
*Revue Internationale de la Croix-Rouge
*Revue meusuelle des Maladies de l'Enfance
*Revue Neurologique
*Revue de Orthopedia
*Revue des Sciences médicales
Revue de Stomatologie
*Royal London Ophthalmic Hospital Reports
*Royal Society of Medicine. Proceedings
*Schmidt's Jahrbücher der in-und ausländischen gesamten Medizin
*Schweizer Archiv für Neurologie und Psychiatrie

- *Schweizeriche medizinische Wochenschrift
- *Science
- *Scientific Monthly
- La Sémaine médicale
- *Seuchenbekampfung
- *Skandinavisches Archiv für Physiologie
- *Southern Medical Journal
- *Strahlentherapie
- *Surgery, Gynecology and Obstetrics
- *Surgical Clinics of Chicago
- *Surgical Clinics of North America
- *Texas State Journal of Medicine
- *Therapeutic Gazette
- *Therapeutische Halbmonatshefte
- *Therapeutische Monatshefte
- Therapie der Gegenwart
- *Tohoku Journal of Experimental Medicine
- Transactions of the:
  - *American Academy of Ophthalmology and Oto-Laryngology
  - *American Association of Genito-Urinary Surgeons
  - *American Association of Medical Milk Commissions
  - *American Association of Obstetricians, Gynecologists and Abdominal Surgeons
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  - *American Dermatological Association
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  - *American Laryngological Association
  - *American Laryngological, Rhinological and Otological Society
  - *American Medical Association
  - *American Medico-physchological Association
  - *American Microscopical Society
  - *American Neurological Association
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- *Verhandlung der deutschen Gesellschaft für Gynäkologie
- *Verhandlungen der deutschen pathologischen Gesellschaft
- U. S. Dept. of Agriculture—Experiment Station Record
- *United States Naval Medical Bulletin
- *Uppsala läkareförenings förhandlingar
- Urologischer Jahresbericht
- *Viertel-Jahresschrift für gerichtliche Medizin
- Viertel-Jahresschrift für Zahnheilkunde
- *Wiener Archiv für innere Medizin
- *Wiener Klinik
- *Wiener medizinische Wochenschrift
- *Zeitschrift für allgemeine Physiologie
- *Zeitschrift für Anatomie und Entwicklungsgeschichte
- *Zeitschrift für angewandte Anatomie

*_Zeitschrift für Biologie_
*_Zeitschrift für diätetische und physikalische Therapie_
*_Zeitschrift für experimentelle Pathologie und Therapie_
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*_Zeitschrift für Psychologie und Physiologie der Sinnesorganes_
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*_Zeitschrift für Urologie_
*_Zeitschrift für urologische Chirurgie_
*_Zeitschrift für wissenschaftliche Mikroskopie und für mikroskopische Technik_
*_Zeitschrift für wissenschaftliche Zoologie_
*_Zeitschrift für Zellforschung und mikroskopische Anatomie_
*_Zentralblatt für Biochemie und Biophyski_
*_Zentralblatt für Chirurgie_
*_Zentralblatt für experimentelle Medizin_
*_Zeutralblatt für die gesamte Gynaekolgie und Geburtshilfe_
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*_Zentralblatt für gesamte Physiologie und Pathologie des Stoffwechsels und Sammelorgan . . . a den Gebiete d. innere Sekretion_
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UNIVERSITY OF ILLINOIS CIRCULAR
Published four times a year in the months of March, June, July and August, at Chicago, Ill.
Vol. XV AUGUST, 1929 No. 4
(Entered as second-class matter October 16, 1914, at the post office at Chicago, Illinois, under the Act of Congress of August 24, 1912.)
Acceptance for mailing at special rate of postage provided for in Section 1103, Act of October 3, 1917, authorized July 27, 1918

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1929-30

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8 *Crippled Children*

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10 *Children's*
11 *Psychopathic*
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13 *Tuberculosis*
14 *Men's*
15 *Contagious*

16 West Side Hospital
17 Illinois Training School for Nurses
18 Y. M. C. A. (West Side Professional Schools Dept.)
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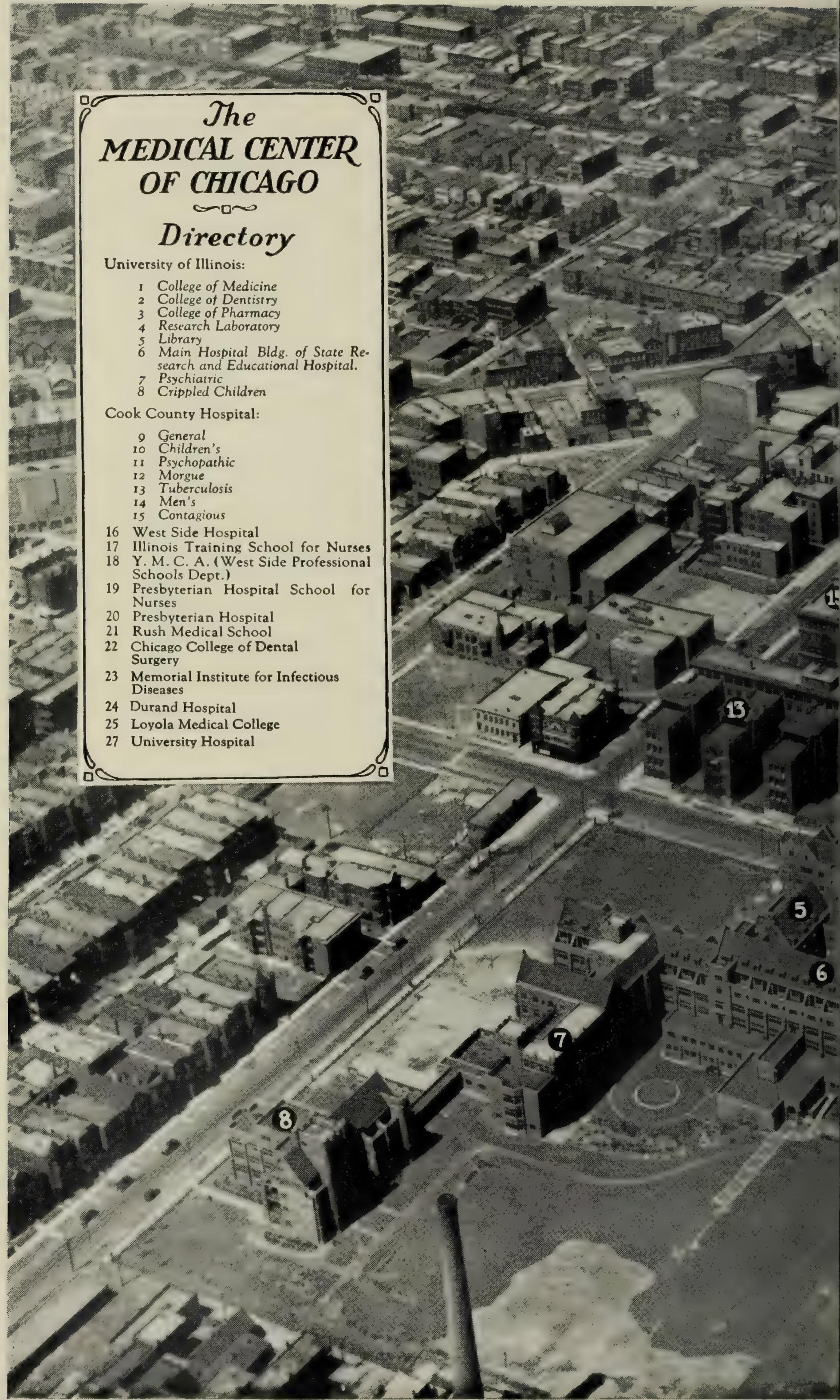

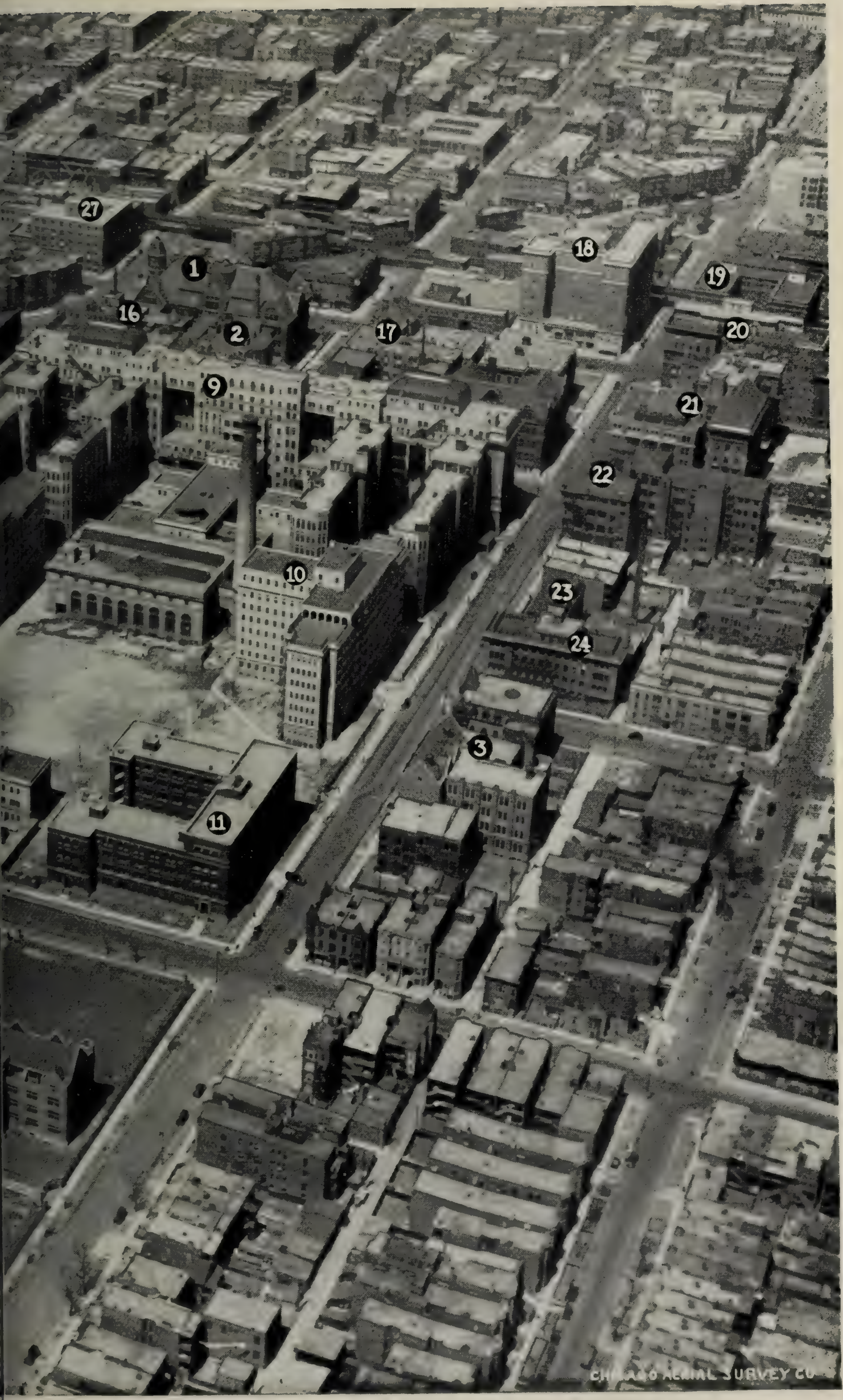
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CIRCULAR OF INFORMATION

1929-1930

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PUBLISHED BY THE UNIVERSITY
1929

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CALENDAR

1929

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COLLEGE CALENDAR

1929-30

FIRST SEMESTER

September 4-7, Wednesday-Saturday
Entrance Examinations. All departments of the University (High School Subjects)

September 23-28, Monday-Saturday
Special examinations

September 30, Monday, 8 a. m.-5 p. m.
Registration and payment of fees

October 1, Tuesday, 8 a. m.
Instruction begun

November 27, Wednesday, 12 m.
Thanksgiving recess

December 2, Monday, 8 a. m.
Instruction resumed

December 21, Saturday, 5 p. m.
Holiday recess begun

January 6, Monday, 8 a. m.
Instruction resumed

January 27-31, Monday-Friday
Semester examinations

SECOND SEMESTER

February 3, Monday, 8 a. m.-5 p. m.
Registration and payment of fees

February 4, Tuesday, 8 a. m.
Instruction begun

February 12, Tuesday
Lincoln Day

February 22, Saturday
Washington's Birthday

April 17, Thursday, 6 p. m.
Easter recess begun

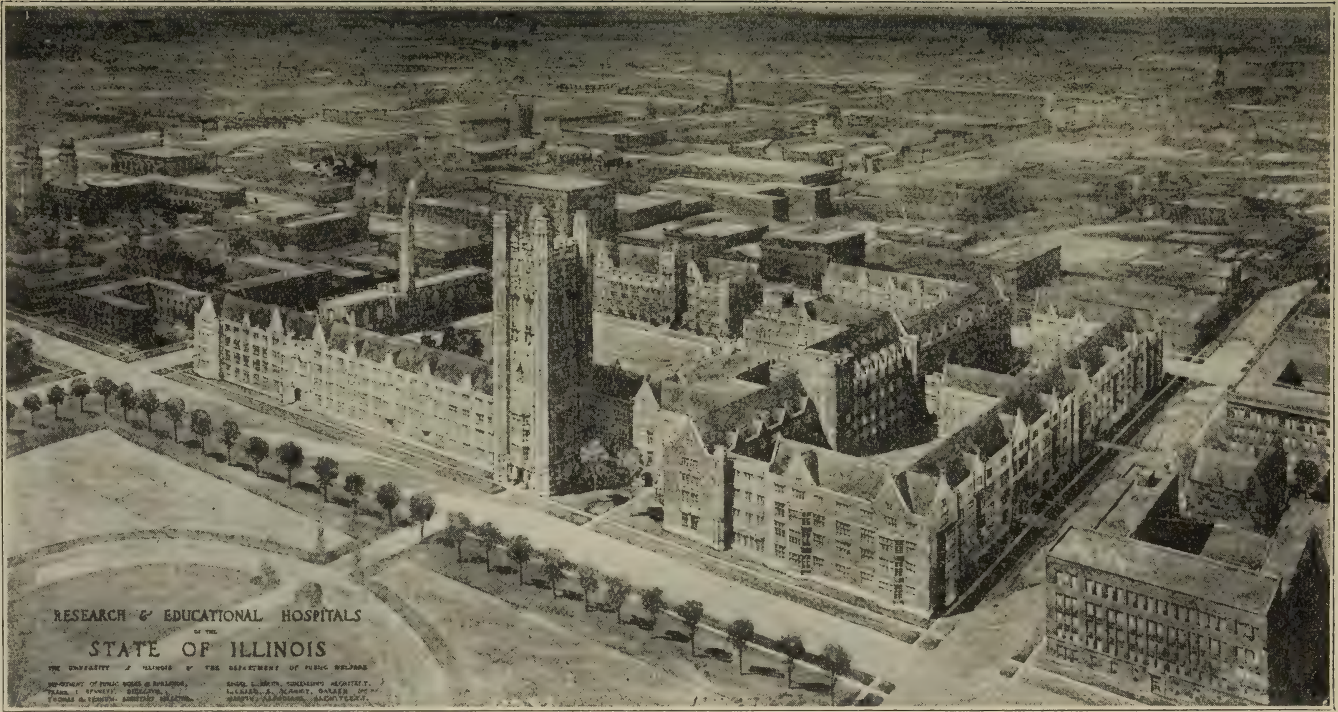
April 21, Monday, 1 p. m.
Instruction resumed

May 30, Friday
Memorial Day

May 19-30, Monday-Friday
Final examinations: Second and Fourth Years, May 19-23 inclusive; First and Third Years, May 26-30, inclusive

June 6, Friday
Class Day
Alumni Meeting

June 7, Saturday, 10:30 a. m.
Commencement Exercises
Chicago Professional Schools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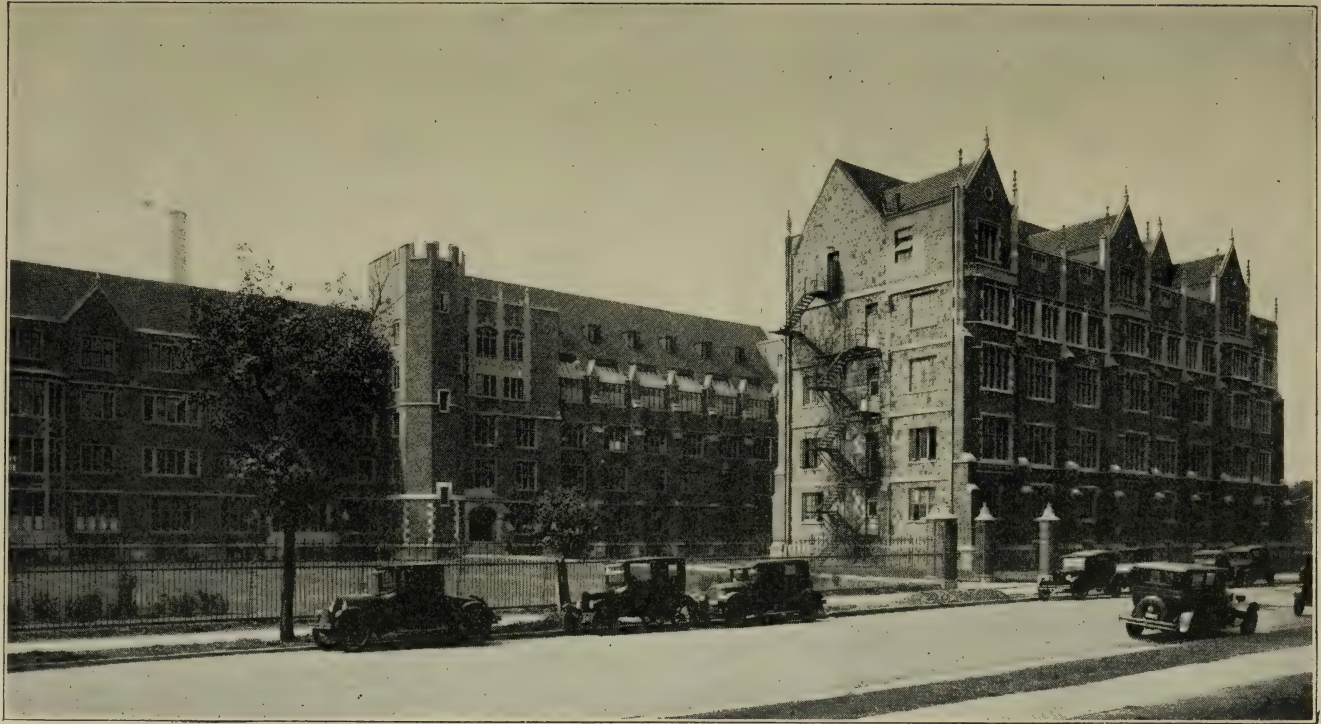


RESEARCH BUILDING WITH EDUCATIONAL HOSPITAL IN BACKGROUND

THE COLLEGE OF MEDICINE
OF THE
UNIVERSITY OF ILLINOIS

GENERAL DESCRIPTION

BUILDINGS, EQUIPMENT AND LIBRARY

The Old Medical College Building. This building, located in the city block bounded by Harrison, Congress, Honore and Lincoln Streets, Chicago, consists of a five-story brick and stone structure two hundred feet long by one hundred and ten feet wide,and a three-story brick annex. It contains four lecture rooms, an assembly hall seating seven hundred, a small recitation room and the laboratories of chemistry, microscopic anatomy, physiology, pathology, bacteriology, pharmacology and therapeutics, operative surgery, experimental medicine and clinical diagnosis. The laboratories for gross anatomy are located in the Dental Building immediately adjoining the Medical Building.

The laboratories are equipped for routine instruction. The general equipment includes: refrigerating plant with cooling units in proximity to the several laboratories, each unit consisting of a number of individual compartments with separate control, providing for a range of temperature down to —5° C.; a Crowell blower, supplying compressed and rarefied air to the laboratories of physiology, chemistry, pathology and pharmacology.

The New Laboratories. During the past session of the Legislature an appropriation of $1,500,000 was made for the erection of new Medical and Dental Laboratories to be located in close proximity to the Research and Educational Hospital. Plans for the buildings are now being prepared, and the construction will be commenced as soon as possible.

The Research and Educational Hospital. In association with the Department of Public Welfare of the State of Illinois, a group of Hospitals and Laboratories has recently been opened and the University has thereby been placed in a position to offer its faculty adequate facilities for teaching and investigation.

The buildings occupy a campus approximately eight acres in extent, located immediately adjacent to the Cook County Hospital. The units now in operation include the following:—Outpatient Dispensary, General Hospital, Research Laboratory and Library, Pediatric Ward, and the Orthopedic and Psychiatric Divisions.

The Hospital has been designed with great care not only to afford every comfort for the patient, but to facilitate the use of the clinical material for teaching and investigation. At the present time some 200 beds are occupied and the total of 450, contemplated for the Main building, will be available as soon as an adequate provision can be made to house the nurses and employees.

The *first* floor of the Hospital proper contains the Pediatric, the Obstetrical and the Roentgenological Departments. The University has made provision to develop both the diagnostic and the therapeutic sides of Roentgenology, and in addition has provided equipment for the other branches of Physiotherapy. Undergraduate, as well as graduate, instruction is offered in this Department.

The *second floor* of the Hospital, in addition to wards, contains the clinical laboratories, with divisions for bacteriology, serology, pathology, biochemistry and metabolism.

The *third* floor comprises eight suites of operating rooms and their necessary service rooms. The surgery service is most complete, with special operating rooms for head and genito-urinary work. Both wings provide beds which are now used for general purposes; later they will be used largely for surgical cases.

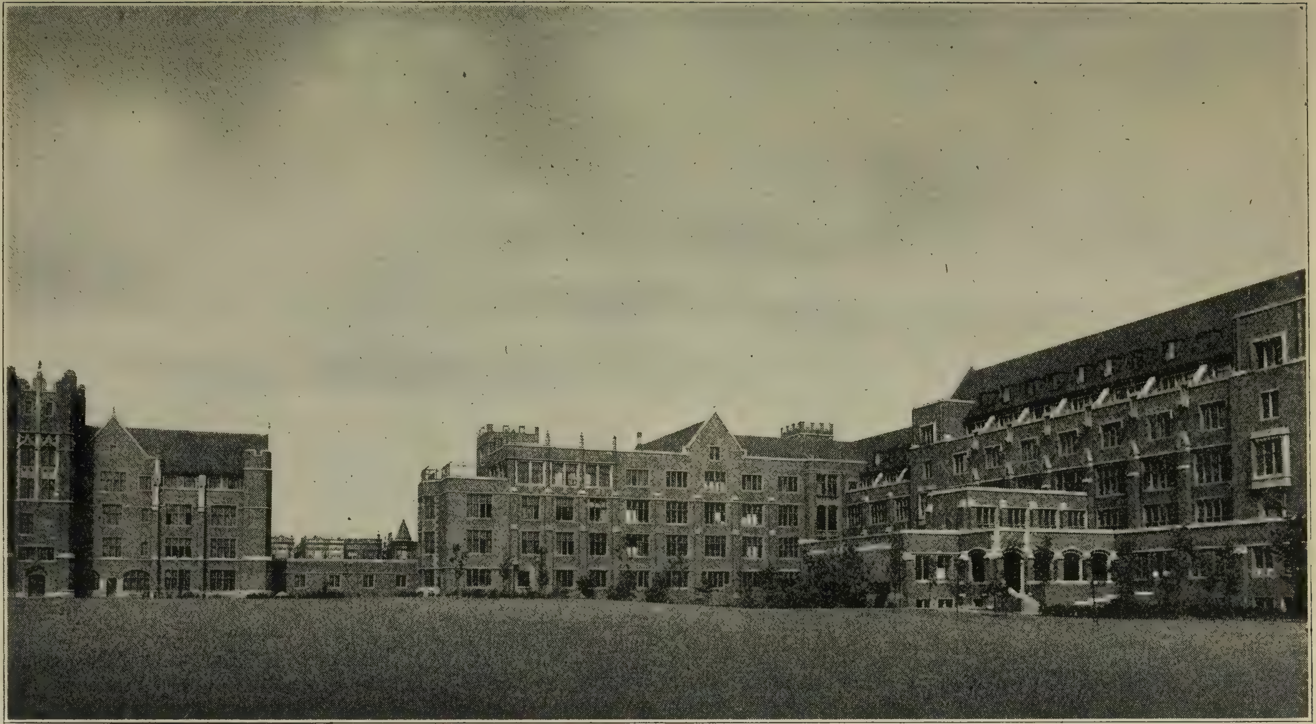
The *fourth* and *fifth* floors contain living rooms for internes and residents and the quarters for the managing officer of the institution.

The Outpatient Dispensary. This occupies the main floor of the Hospital Building. It possesses large waiting rooms, suitable suites for all divisions of clinical work, a large amphitheatre, drug dispensary and preparations rooms (used in conjunction with the School of Pharmacy), electrocardiographic and hydrotherapeutic units being located in the basement of the building. In addition, the administrative and service offices are located on this floor.

The Research and Library Building. Joining the Hospital by corridors leading from the basement and the third floor the University has erected a laboratory building for the science group of the medical school.

The basement houses the photographic and plastic divisions of the illustration studios. The Department of Pharmacology occupies the first floor, Department of Bacteriology and Pathology the second floor, and the third is used by the Department of Physiology and Physiological Chemistry. The Chemical Laboratory has special rooms for weighing, titration and for fume work, as well as large general and individual laboratories. The Department of Anatomy occupies the major part of the fourth floor. The main section of the Illustration Studios is also situated on this floor. The entire fifth floor is given over to the Animal Hospital, Animal Surgery and kennels for dogs and smaller animals. This floor is used jointly by workers from the various clinics and laboratories.

The library, with a beautiful reading room and large convenient stack rooms, occupies an entire wing of this building, as well as space in the basement. It contains 36,835 bound volumes and a number of reprints, including the standard textbooks, works of reference, monographs, and journal files in the fields of medicine, dentistry and pharmacy. The pharmacy collection occupies part of the main floor of the School of Pharmacy. It contains 5,400 volumes and 2,900 pamphlets and ranks as one of the largest pharmaceutical libraries in the country. In addition to these two collections many of the departments of the three schools are supplied with working libraries.



MAIN BUILDING AS VIEWED FROM THE SOUTHEAST (RESEARCH AND EDUCATIONAL HOSPITALS)

CLINICAL FACILITIES

DISPENSARY

The Dispensary is divided into eleven departments; medicine, surgery, obstetrics, pediatrics, orthopedics, laryngology, dermatology, ophthalmology, gynecology, neurology and genito-urinary surgery. A total of 98,769 treatments were given in 1928-29; 20,774 new patients were registered during the same period.

Opportunities are afforded the student to examine the cases personally under the guidance of instructors. As far as possible, the student is required to make laboratory examinations pertaining to his own cases. Such examinations as the Wassermann reaction are made by the instructors in the laboratory, but the student has an opportunity to follow these and to learn the technique involved.

CLINICS

In addition to those in the hospital and dispensary more than 600 clinics in various hospitals are open to students. The great majority of diseases seen in the temperate zone are demonstrated, and most of the operations of surgery are performed in these clinics.

Cook County Hospital is located within half a block of the college. This institution is the largest charity hospital in America, and in it is conducted much of the clinical instruction of the college. During the past year it has cared for 77,116 patients.

Medical appointments in this institution are made each year by the Civil Service Board. The internes, 92 in number, are selected each spring by competitive examination. Only graduates of medical colleges of Cook County are eligible for these examinations. The internes serve eighteen months.

The County Morgue is located in the hospital grounds, and in it daily postmortems are held by the pathologists of the hospital.

The hospital tickets cost $5.00 each. They are for sale at the office of the Warden and admit the holder to all clinics, autopsies, public operations and lectures.

The Municipal Tuberculosis Sanitarium at Crawford and Bryn Mawr Avenues, one of the largest institutions of its kind in the country has accommodation for 1,250 patients, and it treats an average of 2,500 per year. There small groups of students receive practical instruction in residence during their senior years.

The Municipal Contagious Hospital at 3026 South California Avenue has a capacity of 376 beds and deals with 4,000 patients per year. Small groups of senior students spend a short period in residence at this hospital also.

Augustana Hospital, Lincoln and Cleveland avenues, contains 450 beds. The service covers the entire field of surgery and medicine with the exception of contagious diseases.

Illinois Eye and Ear Infirmary, Peoria and Adams streets, is devoted to the diseases of the eye, ear, nose and throat. It has accommodatoins for nearly 237 inpatients and the number of treatments annually is over 75,000. The material of the Infirmary is accessible for study to the students of the college.

Michael Reese Hospital, 29th and Ellis Avenue, is composed of three separate buildings, the Hospital proper for adults, with 410 beds, the Meyer House with 62 beds, the Sarah Morris Hospital for children, with 131 beds, and the Nelson Morris Institute for Medical Research.

St. Luke's Hospital, 1437 Michigan Avenue, has 675 beds, of which 480 may be used for clinical purposes.

University Hospital, at Congress and Lincoln streets, opposite the College, contains 108 beds.

In addition to the above, there are more than seventy public and private hospitals in Chicago, each of which appoints from two to four internes annually.

MAIN READING ROOM OF THE QUINE LIBRARY (RESEARCH AND LIBRARY BUILDING)

GENERAL INFORMATION

ENTRANCE REQUIREMENTS FOR 1929-1930

Applications for admission must be made to the Secretary of the College of Medicine in Chicago. No application will be considered unless accompanied by the credentials necessary to determine the student's eligibility for admission. With reference to the admission of non-Illinois students see page 36.

For admission to the College of Medicine, candidates must present:*

1. Four years of accredited high school work or the equivalent, comprising not less than 15 units in acceptable subjects prescribed as follows:

English	3 units[1]
Algebra	1 unit
Plane geometry	1 unit
Latin, Greek, German, or French (both units in the same language)	2 units
History and civics	1 unit
Electives	7 units
Total	15 units

2. Two years' work in a recognized college or university, comprising not less than 60 semester hours, including prescribed subjects as follows (see note 4):

Chemistry (including organic chemistry, 4 semester hours)	12 semester hours[2]
Physics (at least 2 hours of laboratory work)	8 semester hours
Biology (at least 4 hours of laboratory work, see note 1)	8 semester hours
English	6 semester hours
German, French (see note 2)	6 semester hours
Electives outside of the chemical, physical and biological sciences (see note 3)	6 semester hours
Free electives (see note 3), exclusive of military, hygiene and physical education	14 semester hours
Total	60 semester hours

Note 1: Biology—Four of these 8 semester hours must consist of laboratory work. This requirement may be satisfied by a course of 8 semester hours in either general biology or zoology, or by courses of 4 semester hours each in zoology and botany, but not by botany alone.

Note 2: German, French—The student is strongly urged to secure a reading knowledge of one of these languages. This will ordinarily require at least two years' work in the high school followed by at least 6 hours' work in the same language in college, or two full years' work (in a class reciting at least 3 periods per week) in college if the language was not begun in the high school, or the equivalent.

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*These are the minimum requirements for admission to the College of Medicine. For a broader foundation attention is called to the work indicated on page — under "Courses Offered."

[1] By a *unit* is meant a year's work in a single subject, it being understood that the school year shall not be less than 36 weeks in length, that classes shall recite 5 times a week, that the recitation period shall be not less than 40 minutes long, that in science subjects there shall be double periods twice a week and that double time shall be given in subjects like drawing, manual training and bookkeeping, in which little or no outside study is required. Since high-school students ordinarily take four subjects at a time throughout the four years of the high-school course, 15 units represent approximately four years of high-school work.

[2] By a *semester hour* is meant the work of a class meeting one hour once a week for a semester of 18 weeks. Sixty semester hours represent ordinarily two years of college work.

Note 3: Electives—As desirable electives the following subjects are suggested: psychology; college algebra and trigonometry; additional English; economics, history, sociology, political science; logic; Latin, Greek; drawing. Among the free electives advanced chemistry, zoology and botany may be offered.

Note 4: Effective for students entering in September, 1930, and thereafter grades of at least "C" or 75%, or an equivalent grade as determined by the University from institutions using a different system of marking, in at least three-fourths of the work of the two years of premedical courses will be required for admission to the first year class.

Students registered in the medical curriculum—The seven-year medical curriculum offered by the University consists of two years of pre-medical work at Urbana, including the subject requirements stated above, two years of pre-clinical work in the College of Medicine in Chicago (for these four years a B.S. degree may be given), two years of clinical work in the College of Medicine at Chicago, and one year as an interne in a hospital approved by the University. The registration at Urbana of students who have completed the requirements of the first two years of the medical curriculum (the pre-medical work) and who have done in residence at the University the last two semesters of such curriculum, is continued in the College of Medicine subject to the following conditions:

1. The student who wishes thus to continue his work in the University must signify his intention to the Registrar on a form provided by him not later than March 1 of the year in which he purposes to continue his work in the Chicago department.

2. The student must comply with the general regulations for registration in the University in the medical course. This includes the payment of fees in advance.

3. No student who is on probation in the University or who has been dropped for poor scholarship will be considered for continuance in the College of Medicine.

No conditions are permitted—The full requirements as listed above must be presented at the time of admission. No conditions are permitted.

HOW THE ENTRANCE REQUIREMENTS MAY BE MET

The high-school requirement may be satisfied either by certificate or by examination.

High-School Credits by Certificate

High-school credits will be accepted by certificate from the following sources:

1. From high schools and academies in the State of Illinois which are accredited to the University of Illinois.

2. From schools accredited by the North Central Association of College and Secondary Schools.

3. From schools accredited to the state universities which are included in the membership of the North Central Association of Colleges and Secondary Schools, provided the Illinois standard time requirements are met.

4. From high schools and academies registered by the Regents of the University of the State of New York.

5. From schools approved by the New England College Entrance Certificate Board.

6. From schools accredited by the Southern Association of Colleges and Secondary Schools.

7. From the state normal school of Illinois and other state normal schools having equal requirements for graduation.

High-School Credits by Examination

High-school credits may be made by examination:

1. In the examinations conducted by the Registrar of the University of Illinois at the University in Urbana in January, July and September of each year.

2. In the examinations conducted by the Registrar of the University of Illinois, in Chicago, five times each year, about March 15, June 15, August 25, September 15, and December 15.

3. In the examinations conducted in June of each year by the College Entrance Examination Board.

4. In the examinations conducted by the Regents of the University of the State of New York.

COLLEGE CREDITS

College credits will be accepted *by certificate* from recognized colleges which require for admission the completion of at least 14 units of high-school work in an accredited high school or the full equivalent thereof, and for graduation, in addition, four years of college work; and also from recognized junior colleges and state normal schools.

A letter of honorable dismissal from the last collegiate institution attended is required.

COURSES OFFERED

While the minimum requirements for admission prescribe two years of liberal arts and science work, it is to the advantage of the student to present more than this amount of pre-medical work.

Attention is called to the fact that the University at Urbana offers the following choice of courses:

1. A course of nine years—four in the College of Liberal Arts and Sciences at Urbana, leading to the degree of Bachelor of Arts, followed by five years in the College of Medicine in Chicago, leading to the degree of Doctor of Medicine. This course of study is recommended to young men who can afford the time for it, and who are of the average age graduation from the public high schools.

2. An eight-year course—three years in the College of Liberal Arts and Science at Urbana, followed by five years in the College of Medicine in Chicago. Students taking this course are permitted, at the end of their first year in the College of Medicine, to transfer credits in the medical sciences to complete the requirements for graduation of the College of Liberal Arts and Sciences and receive the degree of Bachlor of Arts. On the completion of five years in the College of Medicine they receive the degree of Doctor of Medicine.

NON-ILLINOIS STUDENTS

All applicants for admission to the College of Medicine, if not legal residents of Illinois, must present with their applications for admission, except as unclassified students or as students in the Graduate School, satisfactory evidence that they maintained at the school or college from which they would enter the University of Illinois, a scholastic average of at least ten per cent above the passing grade of such school or college. In case of records which are not kept in numerical grades but in literal or other systems of grading, this requirement will be interpreted to mean an average of one grade above the passing grade, e.g., in a system of A, B, C, and D, with D as the passing grade, the average must be C.

Non-state students can be accepted for admission to classes, when there are waiting lists, only provided there is room after all duly qualified applicants who are residents of the state have been accommodated.

ADVANCED STANDING

The University will accept scholarship *with* time credit for work done in medical colleges having standards equal to those of the College of Medicine, in so far as this work coincides with or is full equivalent of the courses prescribed by the University.

The pre-medical work of the applicant must meet in full the admission requirements. This will be determined by the evaluation of his credits on the basis of transcripts obtained directly from the schools where they were earned.

The applicant must present a letter of honorable dismissal from, and be eligible for promotion in, the college in which he pursued his medical studies. His record must be of such character as to show a scholastic average at least ten per cent above the passing grade of such college. In case of records which are not kept in numerical grades but in literal or other systems of grading, this requirement will be interpreted to mean an average of one grade above the passing grade, e.g., in a system of A, B, C, and D, with D as the passing grade, the average must be C.

Irregularities due to differences in the curriculum must be satisfactorily adjusted by the student during the first year of his attendance.

Subject credit, *without* time credit, may be given for work done in recognized institutions, under the following provisions:

1. Subject credit will be granted only for such work as has been passed with a grade of 75% or better, or the equivalent;

2. Where such credit is allowed, the student will be required to make up the deficiency in time credit by taking elective work, before he is permitted to go on with the advanced work of the curriculum.

REGISTRATION

Students must register in the office of the secretary immediately upon the opening of the term for the work of that term, and credit will be allowed only for the subjects in which they are registered. Students will be registered in the order in which their fees are paid. Owing to limited space the number of students in each class is restricted to one hundred and thirty.

COLLEGIATE YEAR

The year is divided into two semesters of seventeen weeks each. Attendance upon the full session is required in order to secure credit for a year's work.

FEES AND EXPENSES[1]

		Illinois Students	Non-Illinois Students
First Year—	Tuition	$130.00	$165.00
	Laboratory	35.00	35.00
	Total	(165.00)	(200.00)
Second Year—	Tuition	130.00	165.00
	Laboratory	35.00	35.00
	Total	(165.00)	(200.00)
Third Year—	Tuition	160.00	195.00
	Laboratory	5.00	5.00
	Total	(165.00)	(200.00)
Fourth Year—	Tuition	165.00	200.00
	Laboratory	5.00	5.00
	Total	(170.00)	(205.00)
	Grand Total	$665.00	$805.00

Students entering the University for the first time will be charged a matriculation fee of ten dollars in addition to the above.

A late registration fee of five dollars will be charged to students who do not present themselves for the payment of fees on the dates designated in the College calendar.

ADDITIONAL FEES

Diploma, $10.00. Copy of original transcript of record, $1.00; for each carbon copy of same fifty cents.[2]

Listeners or Visitors Fee.—The following fees are charged listeners or visitors in the course of the College of Medicine. For each twenty-five clock hours, or fraction thereof, state students, $10.00; non-state students, $20.00.

Note.—County Hospital ticket, $5.00. Maternity Fee, Chicago Lying-In Hospital, $15.00.

All fees are payable in advance. The entire matriculation and laboratory fees are due and must be paid during the registration days of the first semester, together with one-half of the general fee. The remainder of the general fee is due and payable on the registration days of the second semester.

No members of the instructional staff are allowed to accept special fees.

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[1] The term "year" in this schedule of fees refers to a period of instruction covering two terms of seventeen weeks each or the equivalent thereof.

All students taking Gross Anatomy are required to make a deposit of $10.00 for the use of a disarticulated skeleton. This deposit is returned to the student at the end of the year upon the return of the material.

The Trustees reserve the right to change the fees at any time through publication in the annual announcement.

[2] Each student is entitled to one transcript of record, without a fee, but he must pay for extras in the way of carbon copies supplied with the original transcript or for the second request for the original.

In case a student withdraws from the school within ten days after the beginning of the instruction the total amount of his fees except the matriculation fee will be refunded. After ten days and before the expiration of one month a refund of three-fourths of the tuition and laboratory fees will be made. After one month and before the expiration of two months a refund of one-half of these fees will be made. After two months and before the expiration of three months a refund of one-fourth of the fees will be made. After the expiration of three months no part of the fees will be refunded.

Alumni are admitted to all regular courses, without charges, except in laboratory work, in which a charge is made for material actually used.

Each student is required to provide himself with a compound microscope and a haemocytometer equipped to meet the requirements of the work of the curriculum.

Living Expenses

The expenses of living in Chicago are less than in most other large cities. From fifty to seventy-five dollars per month may be regarded as adequate for the ordinary living expenses of a student exclusive of books, clothing, railroad fare and miscellaneous needs.

The expense for books varies between $25.00 and $50.00 a year. The instructors at the beginning of each course direct their students in regard to the purchase of text-books.

Student Loan Funds

A number of loan funds have been established for the benefit of worthy students who are in need of financial aid in order to finish their courses in the University. For more detailed information apply to the Secretary of the College of Medicine.

SCHOLARSHIPS, LECTURESHIPS, PRIZES, ETC.

SCHOLARSHIPS

Rea Scholarships—Through the generosity of the late Professor R. L. Rea a fund has been provided for scholarships each year for worthy students. These scholarships are awarded annually by the officers of the Faculty.

For the session of 1928-1929, they were granted to the following students:

Robert J. Glenner
Aaron Learner
Jack G. Mearns
Joseph C. Reingold
David C. Simon
Jacob D. Singer
Frederick Steigmann

(For circulars giving more detailed information concerning scholarships, apply to the Registrar of the University, Urbana.)

The following undergraduate scholarships relieve the holder of the payment of the matriculation and tuition fees:

General Assembly Scholarships—One nomination annually by each member of the General Assembly. Under the law, nominations must be received by the President of the University not later than the first Monday in July of the year in which the scholarship is to become effective.

State Military Scholarships—For World War Veterans. Special provisions passed by the General Assembly in 1919.

THE WILLIAM BEAUMONT MEMORIAL FUND

Dr. Frank Smithies of Chicago has endowed an annual prize of $100 in memory of William Beaumont, the famous surgeon of the nineteenth century who made valuable contributions to the knowledge of the digestive system. The prize is awarded to the student or faculty member of the College of Medicine who submits the best original work in the study of diseases of the alimentary tract; it is administered by a committee appointed by the Dean of the College of Medicine. The third award was made on June 8, 1929, to Bertha Kaplan, M.S.

MEMORIAL LECTURESHIP

In commemoration of members of the Alumni, Faculty and Student Body who lost their lives during the World War, the Alumni, Faculty and Students have raised a fund sufficient to establish a Memorial Lectureship. One lecture is delivered annually by a prominent educator on a subject of general medical interest.

ADOLPH GEHRMANN LECTURESHIP

In accordance with the will of Mrs. Albertina Gehrmann, widow of the late Adolph Gehrmann, for many years Professor of Bacteriology and Hygiene in the College of Medicine, the sum of $10,000 was given for the establishment and support of a Lectureship in the College of Medicine of the University of Illinois, in memory of Dr. Gehrmann. The fourth of this series of lectures was given by Dr. William H. Park, of the Department of Health, New York City, on April 1, 2 and 3, his subjects being, "The Use of Diphtheria Antitoxin and Toxin in Treatment and Immunization," "The Use of Antipneumococcic Serum in the Treatment of Pneumonia and the Significance of Types of Pneumococci" and "Active Immunization in Animals and Human Beings against Tuberculosis."

CHARLES S. BACON LECTURESHIP

In 1927 Dr. Charles S. Bacon on reaching the retiring age was made Professor Emeritus of Obstetrics. On this occasion the Members of the Faculty and friends of Dr. Bacon contributed the sum of $5,000 to found the Charles S. Bacon Lectureship in Obstetrics. The proceeds of this amount is used to defray the expenses of a lecture given each year at the University of Illinois College of Medicine. The initial lecture was delivered on December 12 and 13, 1928, by Dr. Robert T. Frank, of Mount Sinai Hospital, New York City, under the titles, "The Present Status of the Female Sex Hormone" and "The Application of the Study of the Female Sex Hormone to Clinical Medicine."

A series of Medico-historical Lectures is held in the Library on alternate Wednesdays during the school year. These lectures are given by the members of the faculty of the College of Medicine and of the various related departments of Urbana and by Chicago physicians and distinguished visitors interested in medical history.

THE COURSE IN THE COLLEGE OF MEDICINE

REQUIREMENTS FOR GRADUATION

A candidate for graduation from the College of Medicine of the University of Illinois must meet the following requirements:

1. He must have presented acceptable evidence of good moral character.

2. He must have paid all indebtedness to the college.

3. In order to receive the degree of Bachelor of Science in Medicine he must have secured grades of not less than 75%, or the equivalent, in subjects aggregating at least three-fourths of the work leading to that degree.

Grades of at least 75% in at least three-fourths of the work of the first two years in the College of Medicine shall be required of candidates for the degree of Bachelor of Science in June, 1931, and thereafter.

4. In order to receive the degree of Doctor of Medicine he must have spent four years in attendance, the last one at least of which must be in residence at the University of Illinois, completed the prescribed curriculum and in addition have satisfactorily finished a hospital course of not less than twelve months' duration in a hospital affiliated with or approved by the University of Illinois, or a year of research work acceptable to the University.*

Graduation With Honors

A student who complies with the requirements for graduation from the College of Medicine and who attains in all work done in courses offered in the college and presented for the degree, the average grade specified below, may be recommended by the University Senate for the honors stated: For an average grade of not less than 4.35, Graduation with Honors; for an average grade of not less than 4.75, Graduation with High Honors. The honors conferred shall be noted upon the diploma and commencement program.

The interpretation of this rule is carried out by the translation of the literal grade into figures as follows: A—5; B—4; C—3; D—2; E—1. The individual grades are multiplied by the respective number of semester hours which each represents and the total of these figures is divided by the number of semester hours in the curriculum for the B.S. degree and the first four years of the curriculum for the M.D. degree. The result is the student's average. If the average obtained is between 4.75 and 4.35, the student is entitled to Graduation with Honors. If the average obtained is 4.75 or higher, then the student is entitled to Graduation with High Honors.

GENERAL PLAN OF INSTRUCTION

During the first two years the work is, in the main, confined to the sciences fundamental to the practice of medicine, and the time of the student is largely devoted to laboratory work. During the first year this consists of work in anatomy, histology, embryology, neurology, chemistry, physiology and bacteriology. During the second year the study of physiology is continued and in addition the student takes up pathology, laboratory diagnosis, pharmacology, physical diagnosis, medicine, surgery and obstetrics.

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*See Medical Practice Act of the State of Illinois, Senate Bill No. 439, Approved June 30, 1923, Section 5 (b).

During the third and fourth years the time is largely devoted to the various clinical branches, emphasis being given to practical instruction in dispensary and hospital clinics.

In the fourth year clinical clerkships are established to be operated at one time for one-fourth of the class and for a period of two months. This one-fourth of the class is further divided into four sections, one section being assigned to Medicine, one to Surgery, one to Obstetrics and one to service in outside hospitals. The students on service in outside hospitals are excused from attendance on all lectures and clinics but are held responsible for the subject matter of the courses from which they have been excused.

The fifth year consists of a twelve months' interne service in a hospital affiliated with or approved by the University. Research work may be substituted for the hospital work of the fifth year.

Students are prohibited from doing work that interferes in *any way* with the fulfillment of the requirements of the curriculum. Unofficial clinical work may not be substituted for the official requirements of the curriculum.

ELECTIVES

In the second semester of the second year the student is required to elect six hours per week from the courses offered by the pre-clinical departments. If the student has a satisfactory scholarship record and can satisfy the head of a respective department as to his ability to pursue a definite line of endeavor, he may be permitted to register in the graduate school for one unit of work.

In the third year the student must elect two hours per week in each semester.

In the fourth year five and one-half hours per week of elective work must be taken from the optional subjects and at least one hour of these electives must be selected from the optional subjects in surgery.

This elective work of the third and fourth years may be either in pre-clinical or clinical subjects. A student may in this way emphasize his training in some particular subject or subjects. The elective work may be counted for graduate credit provided the student registers in a course recognized for graduate credit by the graduate faculty and can satisfy the head of the department concerned as to his ability to pursue the work he proposes to undertake.

SEMESTER EXAMINATIONS REQUIRED

Examinations must be taken at the close of each semester on the work of the semester in all subjects except those whose character, in the opinion of the faculty, renders it unnecessary or impracticable. Other examinations are held as often as the work requires.

SIGNIFICANCE OF GRADES

The percentage system of grading is used, and 70% is the passing grade.

Where it is necessary to translate percentage to literal grades the following values are used; A, 92 to 100%; B, 85 to 91%; C, 75 to 84%; D, 70 to 74%.

EXAMINATION OF ABSENTEES

Absences from examinations count as failures. Exceptions to this rule may be made and a subsequent examination allowed by the Dean in cases where the absence is occasioned by sickness or other conditions which the student is unable to control.

PROMOTION TO THIRD YEAR

Grades of at least 75%, or the equivalent, in at least three-fourths of the work of the four years made up of the two pre-medical years and the first two years in the College of Medicine, shall be required of students before they may continue in the clinical, or third and fourth years, of the College of Medicine. (Effective for students beginning their third year in the College of Medicine in October, 1931.)

REMOVAL OF FAILURES

A failure in a major subject (sixty-four clock hours) can be removed only by repetition of the subject in course either in this University or some other approved institution.

If the failure is removed by repeating the work at the University of Illinois, it must be made up the first time the course is presented. The student's total schedule including the repeated work may not exceed the normal schedule for the period, unless his record in all other courses averages 85%.

Students who may desire to make up failures by summer work elsewhere must receive the consent of the Head of the department and the Dean in advance. This consent will not abrogate the right of department heads to demand examinations in such cases as they deem necessary.

Provision for the removal of failures in minor subjects which total less than sixty-four clock hours will be made by the Head of the department concerned with the approval of the Dean.

Special examinations for the removal of failures in minor subjects are held during the week preceding the next collegiate year. These examinations may be taken only upon the recommendation of the Head of the department concerned with the approval of the Dean. Evidence of actual additional work done in a subject must be presented before permission is granted for a special examination. Only one examination in a given subject will be permitted.

RAISING OF D (70-74%) GRADES

A grade of 70 to 74% in given subject may be raised, *first,* by satisfactory completion of work prescribed by the Head of the Department concerned, such prescribed work being the equivalent in amount to the regular course; or, *second,* by repetition of the course with the earning of a higher grade.

SPECIAL EXAMINATIONS

Special examinations may not be taken for the purpose of raising grades in courses in which a student already has credit.

Special examinations will be allowed by arrangement with the Head of the department and the Dean when the examinations of the State Board where the student wishes to practice conflict with the dates of the final examinations of the University.

For all such examinations a permit must be obtained and a fee of $5.00 paid in advance. In the case of a subject which is continuous for more than one semester an examination covering a year's work may be allowed for a single fee ($5.00).

A student who has completed the work of a semester is considered to be still under registration for the purpose of this rule up to the end of the registration period for the next semester.

REFUSAL OF FURTHER REGISTRATION ON ACCOUNT OF POOR SCHOLARSHIP

A student, who, in any semester, receives faliures in one-half the total number of hours for which he is registered, shall be refused further registration in the College of Medicine.

RULES REGULATING READMISSION OF STUDENTS WHO MAY BE DROPPED FOR POOR SCHOLARSHIP

First or Second Year Students

First or second year students who have been dropped for poor scholarship and who wish to be considered for readmission will be so considered on presenting evidence that they have completed in the subjects specified below:

(a) 24 semester hours of work with an average grade of 75% (not more than 18 semester hours being completed in one semester), or

(b) 15 semester hours with an average grade of 85%

in an institution of the standard of the University of Illinois, *provided* there is no duplication of any work previously accepted for credit. At least one-half of the work in either alternative must be confined to the physical, chemical and biological sciences.

A student may be considered for readmission if he has completed in a class A medical school with an average grade of 75% all courses in which he received grades lower than 75% in the College of Medicine of the University of Illinois.

Third or Fourth Year Students

A third or fourth year student who has been dropped for poor scholarship may be considered for reinstatement to his status at the beginning of a later semester corresponding to the one in which he failed, after repetition and completion of one semester's work with an average grade of C, in subjcts selected by the Dean.

All Students

Reconsideration of the case of a student dropped for poor scholarship does not guarantee readmission.

A student dropped for poor scholarship may be reinstated but once.

REPORTS

Reports on scholarship and attendance are mailed to all students as soon as possible after the end of each Semester.

ADMISSION TO LICENSING EXAMINATIONS IN ENGLAND

On the recommendation of the Committee of Management of the Examining Board in England, the Royal College of Physicians and Surgeons has added the

University of Illinois to the list of Universities whose medical departments are recognized by that Board. By this action, graduates of this institution are exempted from all preliminary examinations and admitted to the final licensing examination of the Examining Board.

CORRESPONDENCE

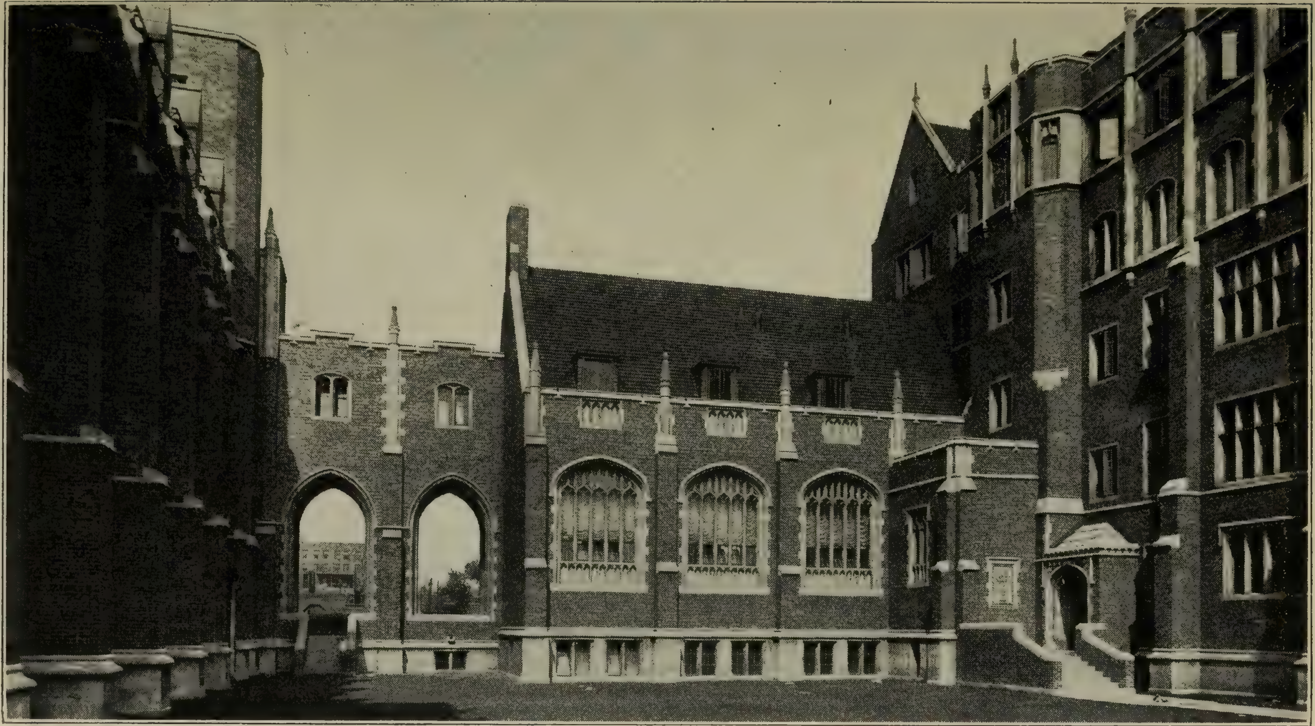
Address all correspondence to

THE SECRETARY OF THE COLLEGE OF MEDICINE

UNIVERSITY OF ILLINOIS

CONGRESS AND HONORE STREETS

CHICAGO



RESEARCH LABORATORY, LIBRARY AND PASSAGE WAY TO HOSPITAL

DESCRIPTION OF COURSES IN MEDICINE[1]

ANATOMY

Professor Kampmeier; Associate Professor Reagan; Assistant Professors Cooper, Zimmermann; Mr. Webb, Dr. Zechel, Dr. Crile, Dr. Joranson, Dr. Stein, Dr. Fisch, Dr. White, Dr. Burrows, Dr. Gasser, Dr. Madden, Dr. Kearns, Dr. Pence, Miss Winkley, Mr. Miller, Mrs. Fork

GENERAL STATEMENT

The laboratories for gross anatomy comprise two dissecting rooms and a number of smaller rooms for embalming, storing and prosecting. A plastic studio is situated in the Research Laboratory Building and is available for anatomical reconstruction work and the use of models for teaching purposes. The laboratories for histology, embryology, neurology and topographical anatomy are situated on the first, third and fourth floors of the Medical Building.

The offices and research laboratories are located on the fourth floor of the Research Building. The equipment includes apparatus for embalming, sectioning, macerating, corroding and digesting, microtomes, microscopes, paraffin ovens, drawing apparatus, chemicals, glassware and Grübler stains. A small museum contains special dissections, osteological preparations and models; sets of histological, neurological and embryological slides; charts, lantern slides and other teaching accessories. The former departmental library containing the standard texts, about two thousand five hundred special monographs and all the English, French and German anatomical journals, is now situated in the main Research Library. This, together with the Crerar Library, which is readily accessible, makes it possible to consult practically the entire literature of anatomy, biology and zoology.

Required Courses—First Year

1. **Histology.**—Microscopic Anatomy and differentiation of tissues. Lectures and recitations; 3: laboratory; 6 hours. *I.*

Associate Professor Reagan, Assistant Professor Zimmermann and assistants

2. **Embryology.**—General embryology, organogeny and teratogeny. Lectures and recitations; 1½: laboratory; 3 hours. *I.*

Associate Professor Reagan, Assistant Professor Zimmermann and assistants

4. **Regional and Systematic Anatomy.**—Complete dissection of the human body: *First semester* (1) Superior extremity, (2) Thorax, (3) Abdomen; *Second semester* (4) Pelvis, (5) Inferior extremity (6) Head and neck. Lectures and recitations; 3: laboratory; 2 three-hour periods. *II.*

Professor Kampmeier, instructors and assistants

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[1] The Arabic numerals preceding the captions indicate the numbers of the courses. Unless otherwise specifically stated, the Arabic numerals following the description of courses indicate the number of one-hour periods. The Roman numerals *I* and *II* indicate the number of semesters over which the course extends.

REQUIRED COURSE—SECOND YEAR

*5. **Neurology.**—The gross and microscopic anatomy of the nervous system, including the sense organs. Lectures and recitations; 1½: laboratory; 3 hours. *I.*

REQUIRED COURSE—THIRD YEAR

6. **Topographical Anatomy.**—Topography and relations of the various regions, systems and organs of the body; correlation of subject matter with that of clinical conditions and procedure. 2 two-hour periods. *I.*
Professor KAMPMEIER, Dr. ZECHEL and assistants

ELECTIVE COURSES

51. **Microscopical Technic.**—Preparation of objects; injecting blood vessels and lymphatics; maceration, digestion and corrosion, decalcification; fixation of tissues, embedding, sectioning, staining and mounting. 2 three-hour periods. *I.* Limited to a few qualified students. Miss WINKLEY

52. **Medical Illustrating.**—Drawing, including perspective; values and their adaption to the representation of medical subjects; normal and pathological specimens, both gross and microscopic; media adapted for representing certain conditions and structures, and for special methods of reproduction, such as line work, half tone, and lithography. 2 three-hour periods. Limited to four students.
Mr. JONES

53. **Fetal Anatomy.**—Dissection of late human fetuses and newborn, with consideration of embryological and physiological problems. 2 three-hour periods. *I.* Limited to a few qualified students. Assistant Professor ZIMMERMANN

54. **Advanced Work in Regional Anatomy.**—The anatomy and correlated functional and clinical features of selected regions of the body. 2 three-hour periods. *I.* Limited to forty-eight qualified students. Dr. CRILE and assistants

COURSES PREPARATORY TO SPECIALIZATION

60. **Dissection.**—This course provides for complete or partial dissection of the human cadaver and is for physicians and surgeons only. The length of the course does not exceed four months and is limited to the spring and summer periods until more space is available. Special instruction is given only if four or more persons are taking the course at the same time, and if they desire it. The fee for the period of four months is $100.00.

65. **Seminar.**—Critical reviews of recent anatomical literature; preparation of bibliographies and of scientific papers for publication. Presentation and discussion of the results of investigations.

Research.—Physicians who desire to do research and students who have had three years of university training are invited to begin research work in this department. A reading knowledge of French and German is essential.

COURSES FOR GRADUATES

101. **Histogenesis and Experimental Morphology.**—Cytological and morphological changes in the organism which are directly correlated with normal processes, such as reproduction, differentiation, nutrition, growth, variation, regulation, regeneration, activity, secretion, rest, fatigue and senility. *One or two units.* Professor KAMPMEIER

103. **Individual Research.**—Embryology, Histogenesis, Experimental Morphology and Applied Anatomy. *One or two units.* Professor KAMPMEIER

***Not to be given during 1929-30.**

DERMATOLOGY

Professor SENEAR; Assistant Professor WIEN; Dr. WEBER, Dr. CORNBLEET, Dr. LIFVENDAHL, Dr. KRASNOW, Dr. RATTNER, Dr. GABERMAN, Dr. STECKBAUER

REQUIRED COURSE—THIRD YEAR

1. Practice.—Lectures, 1. *I.* Professor SENEAR, Assistant Professor WIEN

REQUIRED COURSES—FOURTH YEAR

2. Clinic.—1. *II.* Professor SENEAR

9. Clinic.—Dispensary, including instruction in roentgenology. In sections. 3 one-hour periods. (*four weeks*). *I.* Professors SENEAR, BACHEM, Assistant Professor WIEN, Dr. WEBER, Dr. CORNBLEET, Dr. RATTNER, Dr. GABERMAN, Dr. STECKBAUER.

ELECTIVE COURSES—FOURTH YEAR

50. Syphilis.—Diagnostic and therapeutic methods employed. 1. (*eight weeks*). *I.* Professor SENEAR, Assistant Professor WIEN

51. Dermatology.—Special diagnostic and therapeutic methods. 1. (*eight weeks*). *I.* Professor SENEAR, Assistant Professor WIEN

COURSE FOR GRADUATES

101. Research Work in Dermatology.—*One to three units.* Professor SENEAR

SOCIAL HYGIENE, CRIMINOLOGY AND MEDICAL JURISPRUDENCE

Professors ———, YARROS; Mr. MILLS, Dr. SCHROEDER, Dr. MOHR

REQUIRED COURSE—THIRD YEAR

7. Social Hygiene.—Principles of social hygiene as applied to medical practice and prevention of disease; venereal and sexual problems. 1. (*eight weeks*). *I.* Professor YARROS

REQUIRED COURSE—FOURTH YEAR

6. Medical Jurisprudence.—The principles of law governing individual and professional rights and obligations; responsibilities arising from the relation of physician and patients; confidential character and inviolability of such relation; medical laws of various states. Lectures, 1. *I.* ————————

ELECTIVE COURSE—FOURTH YEAR

8. Mental Hygiene.—Mental hygiene in infancy and childhood. 1. (*eight weeks*). *I.* Dr. MOHR

LARYNGOLOGY, RHINOLOGY AND OTOLOGY

Professor PIERCE; Associate Professor BECK; Assistant Professors HOLINGER, LEDERER; Dr. W. H. THEOBALD, Dr. LIVINGSTON, Dr. J. J. THEOBALD, Dr. BREDLAU, Dr. COOMBS, Dr. SCHNECK, Dr. HARNED, Dr. SHAPIRO, Dr. SPIESMAN, Dr. COOTE, Dr. VAN ALYEA, Dr. GUTTMAN, Dr. M. PALMER, Miss KENNY

GENERAL STATEMENT

The fundamentals of diseases of the ear, nose and throat and their applications based on anatomy, physiology and pathology of these organs, and the clinical manifestations of their more common diseases, furnish the basis of the work in this department. Stress is laid upon the relationship of these organs to the body as a whole. Teaching is facilitated by specially prepared osteological, wax, and papier-maché models of the ear, nose and throat; an extensive lantern slide and photographic collection adds to the demonstration of clinical cases. The student is further aided by contact with cases in the out-patient department, as well as in the hospital, where the taking of a careful case history is stressed and indication for treatment or operative interference is thoroughly discussed.

REQUIRED COURSES—THIRD YEAR

3. **The Ear, Nose and Accessory Sinuses.**—Surgical anatomy, physiology, pathology and treatment. 1. *I.* Professor PIERCE, Assistant Professor LEDERER

11. **The Mouth, Pharynx and Larynx.**—Surgical anatomy, applied pathology and treatment. 1. (*ten weeks*). *I.*
Professor PIERCE, Assistant Professor LEDERER

13. **Clinic Dispensary.**—Research Hospital. Small groups are instructed in history taking, methods of examination and treatment, under supervision. 3 two-hour periods. (*three weeks*). *I.* Assistant Professor LEDERER and Staff

14. **Clinical Otolaryngology.**—Research Hospital. Cases of interest which have been well studied are presented before this group to illustrate the practical points in diagnosis and differential diagnosis. Pathology and indications for treatment and operation are thoroughly discussed. 1 two-hour period. (*eight weeks*). *I.* Assistant Professor LEDERER, Dr. W. H. THEOBALD, Dr. J. J. THEOBALD, Dr. S. SHAPIRO.

ELECTIVE COURSES—FOURTH YEAR

50. **Advanced Anatomy and Physiology of Ear, Nose and Throat.**—8 hours. Professor PIERCE, Assistant Professor LEDERER

51 (a). **Studies in Development of the Otic Capsule.**
(b). **Development of the Pneumatic Spaces of the Nose and Ear.**—8 hours. Professor PIERCE, Assistant Professor LEDERER

53. **Research and Experimental work in Otolaryngology.**—8 hours.
Professor PIERCE, Assistant Professor LEDERER

COURSE FOR GRADUATES

101. **Research Work in Laryngology, Rhinology and Otology.**—*One to three units.* Professor PIERCE

MEDICINE

Professor WILLIAMSON, *Head of Department*

INTERNAL MEDICINE

Professors WILLIAMSON, LEWISON, STRAUSS, KEETON; Associate Professors CHAUVET, MOORE, MEYER, PILOT; Assistant Professors SINGER, WILSON, SAWYER, VANDERKLOOT, CIPRIANI, PROPST, PERLSTEIN, GUNNAR, FREILICH, FOLEY; Dr. STREICHER, Dr. RABENS, Dr. BIRCH, Dr. GOLDWASSER, Dr. COHEN, Dr. MORA, Dr. KRONENBERG, Dr. LIFVENDAHL, Dr. DEUSS, Dr. KLEMPTNER, Dr. FISCH, Dr. DOEPP, Dr.

Feldman, Dr. Fischer, Dr. Bolotin, Dr. Dalitsch, Dr. Soloway, Dr. Wittelle, Dr. Richter, Dr. Rosenbloom, Dr. Weinberg, Dr. Raymond, Dr. Grosz, Dr. Seinfeld, Dr. Marshall, Dr. Golub, Dr. Becker, Dr. Gurevits; Mr. Ewing, Miss Dickson

General Statement

The work in this department begins in the second year and extends through the third and fourth years. In the second year the student begins his work in internal medicine with the study of physical diagnosis on the normal subject. This is followed by the study of pathological cases. The class is divided into small groups, so that the instruction is individual. Coincident with this course the student takes up the study of laboratory diagnosis. A course in this subject lays the foundation for the practical clinical work in the dispensary, which begins in the third year and is carried through the fourth. In addition, didactic work in medicine is begun with lectures and conferences, special reference being made to the diseases of metabolism and the infectious diseases.

In the third year instruction is carried on partly by means of conferences and recitations and partly by clinics. This division of work enables the student not only to obtain systematic instruction in the fundamentals of internal medicine but also to see presented clinical cases bearing directly on this systematic instruction. At the same time he has opportunity to come into intimate contact with patients and to examine them in the dispensary under supervision. Stress is laid upon the student's personal examination and treatment of the cases.

In the fourth year instruction is carried on partly by means of conferences with group quizzes on the topics covered. This is a continuation of the work in the third year. A large part of the work, however, is clinical and is given not only in the Research Hospital but in the Cook County and Augustana Hospitals. In addition, practical work is given in the dispensary in the various medical specialties. Special emphasis is laid upon the clinical work in small groups. The bedside clinics, given to groups of not more than eight, bring the student into the closest relations with both patient and instructor.

In the fourth year the work is almost exclusively clinical in character. Clinics are held in the Research, Cook County and Augustana Hospitals, and every effort is put forth to make these of a thoroughly practical nature. Especial stress is placed upon the coordination and interpretation of laboratory work. Dispensary work is also given in the specialties in the departments.

A Cardiac clinic has been established for several years and treats annually a large number of cases. It operates under Professor Strauss, in conjunction with other cardiac clinics in the City, as a member of the Association for the Prevention and Treatment of Heart Diseases.

Special clinics in metabolic and gastro-intestinal diseases are also held.

Required Courses—Second Year

2. **Physical Diagnosis.**—Practical drill on normal subjects; given to small sections of the class. 1. *I.* 1 two-hour period. *I.*
Professor Lewison, Associate Professor Chauvet, Assistant Professor Freilich

3. **Practice.**—Lectures and conferences with special reference to Diseases of Metabolism. 1. *I.* Professor Keeton

4. **Practice.**—Lectures and conferences. 2. *I.* Assistant Professor Propst

REQUIRED COURSES—THIRD YEAR

5. Practice.—A general survey of the important diseases as a foundation for the clinical courses. A continuation of the similar course of the second year. 2. *II.* Assistant Professors SAWYER, CIPRIANI, VANDERKLOOT, Dr. DEUSS

6. Clinic.—Research Hospital. Selected topics. (To one-half the class.) 1 two-hour period. *I.* Professor WILLIAMSON

7. Clinic.—Research Hospital. Selected topics, with special reference to Diseases of Metabolism. (To one-half the class.) 1 one-hour period. *I.* Professor KEETON

8. Clinic.—Research Hospital. Selected topics, with special reference to Diseases of the Heart. (To one-quarter the class.) 1 two-hour period. (*eight weeks*). *I.* Professor STRAUSS

9. Clinic.—Cook County Hospital. Tuberculosis Wards. (To one-quarter the class.) 1 two-hour period. (*eight weeks*). *I.* Assistant Professor FREILICH

10. Clinic.—Cook County Hospital. Selected topics. (To one-eighth the class.) 1 two-hour period. (*eight weeks*). *I.* Associate Professor MEYER

11. Clinic.—Cook County Hospital. Selected topics. (To one-eighth the class.) 1 two-hour period. (*eight weeks*). *I.* Associate Professor PILOT

12. Clinic.—Cook County Hospital. (To one-quarter the class.) 1 two-hour period. (*eight weeks*). *I.* Assistant Professor GUNNAR

13. Clinic.—Research Hospital. Selected topics. (To one-quarter class.) 1 two-hour period. (*eight weeks.*) *I.* Dr. BIRCH

23. Physical Diagnosis Clinic.—Cook County Hospital. Tuberculosis Wards. (To small groups.) 1. *I.*
Professor LEWISON, Associate Professor CHAUVET, Assistant Professor FREILICH

27. Clinic.—Dispensary. Practical work on out-patients, with special stress laid upon history taking. Most of the important diseases of an ambulatory nature common to the temperate zone may be seen here. (In sections.) 3 two-hour periods. (*three weeks*). *II.*

Professor KEETON, Associate Professor MOORE, Assistant Professors SINGER, WILSON, GUNNAR, PERLSTEIN, FOLEY, Dr. WITTELLE, Dr. RABENS, Dr. BIRCH, Dr. STREICHER, Dr. GOLDWASSER, Dr. COHEN, Dr. KLEMPTNER, Dr. FELDMAN, Dr. DOEPP, Dr. FISCHER, Dr. DALITSCH, Dr. RICHTER, Dr. ROSENBLOOM, Dr. BOLOTIN, Dr. SOLOWAY, Dr. WEINBERG, Dr. RAYMOND, Dr. GROSZ, Dr. SEINFELD, Dr. MARSHALL, Dr. FISCH, Dr. GOLUB, Dr. BECKER, Dr. GUREVITS, Miss DICKSON

ELECTIVE COURSES—THIRD YEAR

50. Diseases of the Gastro-intestinal Tract.—Lectures and demonstrations. 1. *I.* Associate Professor MEYER

51. Clinico-pathological Lectures and Demonstrations.—(Limited to one-eighth the class.) 1. (*eight weeks*). *I.* Assistant Professor SINGER

52. Clinic.—Research Hospital. Selected topics. (Limited to one-eighth the class.) 1. *I.* Assistant Professor GUNNAR

53. Principles of Medicine.—Review course. 2. *I.*
Dr. Mora, Dr. Lifvendahl, Dr. Kronenberg

54. Clinic.—Diseases of the chest. Cook County Hospital. 1. *I.*
Assistant Professor Freilich

Required Courses—Fourth Year

12. Seminar in the Classics of Medicine.—A study of the epoch-making contributions. (Individual assignments.) 1. *I.*

Professor Williamson, Assistant Professor Foley, Dr. Birch, Dr. Streicher, Dr. Deuss.

14. Practice—Continuation of the course of study of previous year. Lectures illustrated with charts and lantern slides. Diseases of the lungs and pleura, first semester; diseases of the circulatory apparatus, second semester. 1. *II.*
Professor Lewison, Assistant Professor Gunnar

16. Clinic.—Research Hospital. Selected topics. Special stress is laid upon the newer methods of diagnosis as applied to clinical medicine. (To one-half the class.) 1 two-hour period. *I.* Professor Williamson

18. Clinic.—Research Hospital. Selected topics. (To one-half the class.) 1 two-hour period. *I.* Associate Professor Moore

20. Clinic.—Augustana Hospital. Selected topics. (To one-fourth the class.) 1 two-hour period. *(eight weeks.) I.* ________________

21. Clinic.—Cook County Hospital. Selected topics, with special reference to laboratory methods. (To one-half the class.) 1 two-hour period. *I.*
Assistant Professor Singer

22. Ward Clinic.—Research Hospital. Selected topics, with special reference to the liver and biliary apparatus. (To one-quarter the class.) 1 two-hour period. *(eight weeks.) I.* Assistant Profesor Foley

24. Ward Clinic.—Research Hospital. Selected topics, with special reference to the gastrointestinal tract. (To one-quarter the class.) 1 two-hour period. *(eight weeks.) I.* Dr. Streicher

25. Ward Clinic.—Cook County Hospital. Selected topics. (To one-half the class.) 1 two-hour period. *I.* Professor Keeton

39. Clinic.—Cook County Hospital. Selected topics with special reference to diseases of the circulatory apparatus. (To one-half the class.) 1 two-hour period. *I.* Professor Strauss

Elective Courses—Fourth Year

55. Cardio-Vascular Diseases.—1. *I* Assistant Professor Perlstein

56. Diseases of the Heart.—With special reference to the graphic methods. 1. *I.* Professor Strauss

57. Diseases of the Blood.——Demonstration course. (Limited to fifteen students.) 1. *I.* Associate Professor Moore, Dr. Birch

58. Practical Application of Blood Chemistry.—Demonstrations and practical work. (Limited to eight students.) 1 two-hour period. *(eight weeks.) I.*
Mr. Ewing

59. Clinical Parasitology.—(Limited to eight students.) 1 two-hour period. (*eight weeks*). *I.* ——————

60. Principles of Medicine.—Review course, 2. *I.*
Dr. Mora, Dr. Lifvendahl, Dr. Kronenberg

61. Cardiovasculorenal Diseases.—Some phases of heart, kidney and blood diseases. 1. *I.* Dr. Feldman

Course for Graduates

101. Research Work in Medicine.— *One to three units.*
Professor Williamson

PEDIATRICS

Professor Hess; Associate Professors Irish, Blatt; Assistant Professors Bower, Calvin, Rosenblum, Borovsky; Dr. Goldberger, Dr. I. M. Levin, Dr. Chamberlin, Dr. Furby, Dr. Leach, Dr. Saltiel, Dr. Engerman, Dr. Cohen, Dr. B. M. Levin, Dr. Pauker, Dr. Robins, Dr. Poncher, Dr. Brown, Dr. Gasul, Dr. Halpern, Dr. Tigay, Dr. Markin, Dr. Bronstein, Dr. Pugh, Dr. Weinfield

General Statement

The work in pediatrics is given in the third and fourth years. So far as possible the course is one of individual instruction, the class being divided into small groups for clinical work.

Required Courses—Third Year

1. Practice and Clinic.—Nutrition and nutritional disturbances in infancy. Lectures; clinical conferences. 1. *I.* Professor Hess

4. Practice.—Recitations. 1. *I.* Associate Professor Irish and assistants

5. Clinic.—Cook County Hospital. In groups. 1 one-hour period. (*eight weeks*). *I.* Assistant Professor Calvin

6. Clinic.—Cook County Hospital. In groups. 1 one-hour period. (*eight weeks.*) *I.* Assistant Professor Rosenblum

9. Clinic.—Cook County Hospital. Contagious diseases. In groups. 2. (*four weeks*). *I.* Assistant Professors Bower, Borovsky

Required Courses—Fourth Year

10. Clinic.—Dispensary; Research Hospital. In sections. 3. two-hour periods. (*four weeks*). *I.* Dispensary Staff

12. Clinic.—Cook County Hospital. In groups. 1 two-hour period. *I.*
Professor Hess

13. Clinic.—Cook County Hospital. Physical diagnosis and demonstration of cases. In groups. 1 two-hour period. (*eight weeks*). *I.*
Associate Professor Irish

14. Clinic.—Cook County Hospital. In groups. 1 two-hour period. (*eight weeks*). *I.* Associate Professor Blatt

ELECTIVE COURSES—FOURTH YEAR

52. Clinical Pediatrics.—Research Hospital. 1. *I.* Dr. ROBINS, Dr. PONCHER

53. Laboratory Diagnosis.—Research Hospital. 1 two-hour period. (*eight weeks*). *I.* Dr. ROBINS, Dr. PONCHER

54. Clinic.—Michael Reese Hospital. In groups. 1 two-hour period. (*four weeks*). *I.* Professor HESS

56. Pediatrics.—Mental Hygiene in infancy and childhood. 1. (*eight weeks*). *I.* Dr. MOHR

COURSE FOR GRADUATES

101. Research Work in Pediatrics.—*One to three units.* Professor HESS

NEUROLOGY AND PSYCHIATRY

Professors SINGER, HASSIN, DAVIS; Assistant Professor DIAMOND; Dr. OLKON Dr. LOW, Dr. SOLOMON, Dr. PASKIND

REQUIRED COURSE—THIRD YEAR

1. Neurology.—Didactic. 1. *I.* Dr. OLKON

REQUIRED COURSES—FOURTH YEAR

2. Neurology.—Lectures and demonstrations. 1. *II.* Professor HASSIN

3. Dispensary.—8 two-hour periods. *I.*
Assistant Professor DIAMOND, Dr. OLKON, Dr. LOW, Dr. SOLOMON, Dr. PASKIND

4. Psychiatry.—Lectures and case demonstrations. 1½. *I.* Professors SINGER, DAVIS

5. Neurology.—Clinic. St. Luke's Hospital. 1 two-hour period. (*eight weeks*). *I.* Dr. SOLOMON

ELECTIVE COURSES—FOURTH YEAR

50. Neuropathology.—1. (*eight weeks*). *I.* (Given once in each semester; limited to one-half the class.) Assistant Professor DIAMOND, Dr. LOW

51. Clinical Psychiatry.—Psychopathic Hospital. 1 two-hour period. (*four weeks*). (Given twice each semester.) Professor SINGER, DAVIS

ROENTGENOLOGY

Professors HARTUNG, BACHEM

REQUIRED COURSE—FOURTH YEAR

4. Roentgenology.—Application of Roentgen rays to medicine and surgery. 2. *I.* Professor HARTUNG

ELECTIVE COURSE—FOURTH YEAR

50. Principles of Physiotherapy.—X-ray, radium, ultra-violet, diathermy, etc., 1. *I.* Professor BACHEM

HISTORY OF MEDICINE

Dr. CIGRAND

ELECTIVE COURSE—FOURTH YEAR

51. History of Medicine.—1. *I.* Dr. CIGRAND

OBSTETRICS AND GYNECOLOGY

Professor FALLS, *Head of the Department*
Associate Professor FISCHMANN; Assistant Professors LANG, HAMMOND, STONE, LACKNER; Dr. NEWBERGER, Dr. JUHNKE, Dr. HOFFMAN, Dr. LASH, Dr. FITZGERALD, Dr. ROSE, Dr. GROOT, Dr. MARTIN, Dr. HARK, Dr. MCGUIRE, Dr. MARYAN, Dr. SKILES, Dr. LITT, Dr. BACON, Dr. BUSBY, Dr. BLOOMFIELD, Dr. STAMLER, Dr. KOBACK, Dr. SUMMERVILLE, Miss MCLAUGHLIN

OBSTETRICS

GENERAL STATEMENT

The course in obstetrics is presented in the second, third and fourth years.

In the second year the student is given a series of lectures and quizzes and is assigned collateral reading covering the anatomy, embryology and physiology of pregnancy and the puerperium.

In the third year in connection with manikin, laboratory and dispensary courses, lectures and quizzes on the pathology of pregnancy and the puerperium are presented.

In the fourth year amphitheater clinics in the Research and Educational Hospital with demonstrations and operations are given to groups, together with bedside clinics.

Other clinical instruction in the nature of ward walks and demonstrations is given to small groups at the Cook County Hospital, Mt. Sinai Hospital, and the Chicago Lying-in Hospital and Dispensary.

Fourth year students are required to take two weeks in residence in the outpatient service of the Chicago Lying-in Hospital and Dispensary where ample opportunity for practical experience in the delivery of patients in the home under proper supervision is afforded. A fee of fifteen dollars, payable in advance at the dispensary, is charged for this course. For those who cannot be accommodated in this course a two week externeship at the Research and Educational, and Augustana Hospitals has been provided. For this work the student is excused from attendance on all classes and is on call night and day in the obstetrical wards.

Clinical clerkships involving daily attendance in the wards from 8 a. m. to 12 m. for two weeks are arranged for seniors. Training in history writing, assisting in the operating and delivery rooms, and in the giving of anaesthetics is provided.

REQUIRED COURSE—SECOND YEAR

1. **Physiology of Pregnancy and Labor.**—*2. I.*

Assistant Professor HAMMOND, Dr. LASH, Dr. FITZGERALD, Dr. MARTIN, Dr. SKILES, Dr. LITT

REQUIRED COURSES—THIRD YEAR

2. **Pathology of Pregnancy and Labor and the Puerperium.**—Lectures, quizzes and demonstrations. 2. *I.*

Professor FALLS, Assistant Professor LACKNER, Dr. ROSE, Dr. MCGUIRE, Dr. NEWBERGER, Dr. MARYAN

3. Manikin.—Obstetrical operations are demonstrated and practice is afforded the student to do the operation on the manikin under supervision and to become thoroughly familiar with the instruments and technique of such operations. The work is given to small groups so that individual instruction is possible. One-fourth class. 1 two-hour period. (*eight weeks*). *I.*

Assistant Professor HAMMOND, Dr. NEWBERGER, Dr. MARTIN, Dr. ROSE

4. Clinics.—Clinics are held for small groups at Cook County Hospital, Mt. Sinai Hospital, Research and Educational Hospital. 1 two-hour period. (*eight weeks*). *I.* Professor FALLS, Dr. FITZGERALD, Dr. LASH, Dr. NEWBERGER

7. **Dispensary out-clinic.**—3 two-hour periods. (*three weeks*). *I.*

Dr. ROSE, Dr. GROOT, Dr. MARTIN, Dr. HARK, Dr. BACON, Dr. MARYAN, Dr. LITT, Dr. BUSBY, Dr. BLOOMFIELD, Dr. STAMLER

ELECTIVE COURSES—THIRD YEAR

(Will not be given for less than 5 or more than 15 students)

50. Toxemias of Pregnancy.—1. *I.*	Assistant Professor LACKNER
51. Physiology of Pregnancy.—1. *I.*	Dr. GROOT
52. Puerperal Sepsis.—1. *I.*	Dr. NEWBERGER
53. Sterility and Conception.—1. *I.*	Dr. MARTIN
54. Review Course.—1. *I.*	Dr. HARK

REQUIRED COURSES—FOURTH YEAR

10. Clinic.—Research and Educational Hospital. To small groups. 1 two-hour period. (*eight weeks*). *I.* Professor FALLS

15. Obstetrical Laboratory.—The student studies gross and microscopic specimens of the more common obstetrical complications such as ruptured uterus ablatio placenta, puerperal sepsis, ectopic pregnancy, hydatid and blood moles, and various diseases and abnormalities of the fetus and newborn. Bacteriological as well as pathological material is presented and fresh specimens when available. 1 two-hour period. (*four weeks*). *I.*

Dr. LASH, Dr. MARYAN, Dr. HARK, Dr. LITT

ELECTIVE COURSES—FOURTH YEAR

(Will not be given for less than 5 or more than 15 students.)

55. Obstetrical Pathology.—1. *I.*	Dr. LASH
56. Heart Complications in Pregnancy. —1. *I.*	Dr. FITZGERALD
57. Manikin. —1. *I.*	Dr. HARK
58. Review Course. —1. *I.*	Dr. ROSE

COURSE FOR GRADUATES

101. Research Work in Obstetrics and Gynecology.—*One to three units.*

Professor FALLS

GYNECOLOGY

GENERAL STATEMENT

The course in gynecology is presented in the fourth year. It includes lectures and quizzes, laboratory and demonstration, seminar, amphitheater clinic and dispensary clinic.

The student has been given the fundamentals of the anatomy and physiology and pathology of the subject in connection with his obstetrical work in the third year.

The didactic work consists of lectures and quizzes to half the class throughout the year. The seminar work is conducted in small groups and is designed to familiarize the student with the sources of information on this subject. Complete files of the important journals are available in the main library. Students prepare and present papers on gynecological subjects and these are discussed by the group.

The clinical work consists of clinics at the Cook County and the Research and Educational Hospitals. Bedside instruction, stressing preoperative preparation and post-operative treatment, is presented to small groups.

In the out-patient dispensary the student is trained in history taking, gynecological examinations, and the treatment of ambulatory patients.

Required Courses—Fourth Year

1. Lecture and quiz.—1. *II.*

Professor Falls, Associate Professor Fischmann, Assistant Professors Stone, Lackner

4. Seminar.—1. (*eight weeks*). *I.*
Assistant Professor Lang, Dr. Hoffman

7. Clinic.—Cook County Hospital. Operative and demonstration course. 1 two-hour period. (*eight weeks*). *I.* Professor Falls

15. Clinic Dispensary.—Small groups are instructed in history taking and physical examinations and are permitted to treat minor gynecological complaints under supervision. 3 two-hour periods. (*three weeks*). *I.*

Associate Professor Fischmann, Assistant Professors Lang, Hammond, Stone, Dr. Juhnke, Dr. Hoffman, Dr. Lash, Dr. McGuire, Dr. Busby, Dr. Koback

16. Gynecological Laboratory.—Gynecological pathology is studied from gross and microscopic specimens. 1 two-hour period. (*four weeks*). *I.*
Dr. Lash, Dr. Hark, Dr. Maryan, Dr. Litt

Elective Courses—Fourth Year

50. Pelvic Neoplasms. —1. *I.* Associate Professor Fischmann

51. Pelvic Inflammation. —1. *I.* Dr. Lash

52. Uterine Hemorrhages. —1. *I.* Assistant Professor Stone

53. Menstrual Disorders.—1. *I.* Dr. Juhnke

56. Preoperative and Post-operative Gynecological Treatment.—1. *I.*
Assistant Professor Lang

57. Gynecological Diagnostic Methods. —1. *I.* Assistant Professor Lackner

OPHTHALMOLOGY

Associate Professor Beard; Dr. Folk, Dr. Greenwald, Dr. Cohen, Dr. Wolf, Dr. Kaufman

REQUIRED COURSES—FOURTH YEAR

1. Clinic and Practice.—Dispensary, clinic and laboratory course. This includes the normal and pathological anatomy of the eye, practice in the use of ophthalmoscope, perimeter, focal light and test charts, and the study of those eye diseases which the general practitioner most frequently encounters. The student is especially trained in the taking of histories of eye patients. 5 two-hour periods. (*four weeks*). *I.* Dr. FOLK, Dr. GREENWALD

2. Didactic Ophthalmology.—Stereopticon demonstrations and quizzes. 1. *I.* Associate Professor BEARD, Dr. FOLK

ELECTIVE COURSE—FIFTH YEAR

50. Ophthalmology.

1. Methods of Clinical Examination (9-12 a. m. daily), 12 months.

2. Study of classical monographs and preparation of 25 case-histories for "The National Board of Ophthalmic Examinations" (2-5 p. m. daily), 4 months.

PHYSICIANS' EXTENSION COURSES IN OPHTHALMOLOGY

6. Clinical Course.—Designed for those who wish to take up ophthalmmology as a specialty. The course affords individual training in standardized methods. The work is of a practical case-study nature.

A given method or process, such as retinoscopy or perimetry, is first explained and demonstrated. The physician is then assigned a case in which the data have been previously determined by the instructor. The physician makes an independent study and reports his findings to the instructor for criticism and grading. The process is continued until a reasonable degree of accuracy has been attained. Only one process is studied at a time. Processes taught are: I. Determination of Central Visual Acuity, Neutralization of Lenses, Retinoscopy, Refraction (with Cycloplegia and without), Tonometry, Determination of Degrees of Strabismus or Paralysis, Types of Discs (Elschnig's Classification). II Measurement of Disc Levels, Perimetry, Objective Findings in External and Fundus Diseases, Case-History Writing and Diagnosis, Prognosis, and Treatment of a given case as a whole. This course extends over three periods of four months each, and no applicant is accepted for registration for less than the full twelve months. The first four months' work covers the first seven processes, the second four months covers the next four, and the last four months complete the course. Pathology is taken with undergraduate students. In the third period classical monographs are abstracted. Hours: 9 to 12 a. m., 6 days per week. THE STAFF

The fee for each period of four months is $50.00.

7. Pathology of the Eye.—Four months. Hours to be arranged. *I.*
Associate Professor BEARD

PATHOLOGY AND BACTERIOLOGY

Professors DAVIS, PETERSEN, ARNOLD; Associate Professors FENNEL, PILOT; Assistant Professors LEVINSON, HULL, GOLDBERG; Dr. RAPPAPORT, Dr. BECKER, Dr. BOHROD, Dr. COHEN, Dr. AMTMAN, Dr. BOIKAN, Dr. NEDZEL, Dr. KLEPPE, Mr. LEPAK, Mr. MOORE, Miss PAULSEN, Miss WISE

REQUIRED COURSE—FIRST YEAR

1. **General Bacteriology and Protozoology.**—Pathogenic bacteria and protozoa. Immunity. Lectures, demonstrations; 2: laboratory; 6 hours. *I.*
Professors DAVIS, ARNOLD, Associate Professor PILOT and assistants

REQUIRED COURSES—SECOND YEAR

2. **General Pathology and Pathological Histology.**—General pathology; gross and microscopic study of fresh and preserved pathological material. Lectures, recitations, demonstrations; 3: laboratory; 8 hours. *I.*

Professor PETERSEN, Associate Professor FENNEL, Assistant Professor LEVINSON and assistants

4. **Clinical Pathology.**—Chemical and microscopical examination of urine, feces and blood, with special emphasis on technique. Lectures and demonstrations; 1: laboratory; 4. *I.* ——————————and assistants

5. **Preventive Medicine.**—An introductory course. General principles of prevention of disease. Epidemiology. 2. *I.*
Professor ARNOLD, Assistant Professor HULL

REQUIRED COURSES—THIRD YEAR

24. **Autopsies.**—Routine postmortem examinations, practical work and demonstrations. 1 two-hour period. *I.*
Professor PETERSEN, Associate Professor PILOT, Assistant Professor LEVINSON

25. **Special Pathology.**—Gross and microscopic examination of pathological material, postmortem bacteriology and experimental pathology. 1 three-hour period. *I.*
Professor PETERSEN, Associate Professor PILOT, Assistant Professor LEVINSON

27. **Preventive Medicine.**—An advanced course. Prevention of disease as applied to the specific diseases and the specialties. Lectures and demonstrations; 2. *I.* Professors DAVIS, SINGER, YARROS, ARNOLD

REQUIRED COURSE—FOURTH YEAR

29. **Public Health.**—Organization of health departments and the work of the divisions of the same; vital statistics, inspection of schools and factories; sanitation, food supply and control; public welfare. Lectures and practical work. 4. (*eight weeks*). *I.* Dr. BECKER

ELECTIVE COURSES

50. **Pathology, Bacteriology and Immunity of Tuberculosis.**—6. *I.* (second semester). Professor PETERSEN, Assistant Professor LEVINSON

51. **Advanced Work and Research.**—(Limited to properly qualified students.) 6. *I.* Professors DAVIS, PETERSEN, ARNOLD

52. **Advanced Work in Special Diagnostic Laboratory Methods.**—(Limited to a few qualified students.) 6. *I.*
Associate Professor PILOT, Dr. RAPPAPORT

55. **Diagnosis of Tumors.**—(Open to students who have had courses in general and special pathology.) 6. *I.* Associate Professor FENNEL

COURSES FOR GRADUATES

101. Advanced Pathogenesis.—Pathology and Bacteriology. *One or two units.*
Professors DAVIS, PETERSEN, ARNOLD

105. Individual Research.—*One or two units.*
Professors DAVIS, PETERSEN, ARNOLD

PHARMACOLOGY, MATERIA MEDICA AND THERAPEUTICS

Professor MCGUIGAN; Assistant Professor CAMP; ————————

REQUIRED COURSES—SECOND YEAR

(*Prerequisites*: Physiology, Course No. 4, or equivalent; Physiological Chemistry, Course No. 6, or equivalent.)

1. Pharmacology.—Lecture; 1: labaratory; 2. *I.*
Professor MCGUIGAN, Assistant Professor CAMP, ————————

4. Pharmacology.—Lecture or quiz; 2: laboratory; 4. *I.*
Professor MCGUIGAN, Assistant Professor CAMP, ————————

REQUIRED COURSE—THIRD YEAR

5. General Therapeutics and Pharmacy.—2. *I.* Professor MCGUIGAN

ELECTIVE COURSES—SECOND YEAR

(*Minimum registration*: 5 students for each course)

50. History of Pharmacology and Toxicology.—Review of modern books pertinent to the subject. 3. *I.* (Second semester.)
Professor MCGUIGAN, Assistant Professor CAMP, ————————

51. Materia Medica.—Prescription writing. 3. *I.* (Second semester.)
Professor MCGUIGAN, Assistant Professor CAMP, ————————

52. Toxicology.—Symptomatology, pathology, treatment and identification of poisons. 3. *I.* (Second semester.)
Professor MCGUIGAN, Assistant Professor CAMP, ————————

53. Systemic Pharmacology.—(a) Eye, (b) digestive system, (c) respiratory system, (d) autonomic nervous system, (e) blood, (f) circulatory organs, heart and kidneys. 3. *I.* (Second semester.)
Professor MCGUIGAN, Assistant Professor CAMP, ————————

COURSES FOR GRADUATES

101. Advanced Pharmacodynamics.—*One or two units.*
Professor MCGUIGAN, Assistant Professor CAMP

103. Research Work in Pharmacodynamics.—*One or two units.*
Professor MCGUIGAN, Assistant Professor CAMP

PHYSIOLOGY AND PHYSIOLOGICAL CHEMISTRY

Professors DREYER, WELKER; Associate Professors BERGEIM, OSLUND; Assistant Professor REED; Dr. COLE, Mr. KISTLER, Mr. BOOR, Mr. JOHNSON, Mr. AARONSON, Mr. SHAW, Mr. NAMMACHER, Mr. THOMAS, Mr. BURNS, Mr. FREEMAN, Mr. VESSEY

General Statement

The course in physiology is articulated with the other subjects in the curriculum to secure the maximal degree of correlation. Due emphasis is placed on the laboratory work. The standard equipment, as ordinarily provided for the fundamental experiments of the science, is supplemented by special apparatus for the study of clinical problems relating to circulation, respiration, vision, and the nervous system.

The laboratory exercises are selected not only to illustrate and to vitalize the subject-matter of the didactic course, but also to supply the useful technical training and to develop interest in the methods and problems of original investigation. Facilities and equipment are available for those who desire to take advanced work or engage in research.

For the work in chemistry three laboratories are equipped for routine instruction. Additional rooms for the preparation of class work and for metabolism experiments are connected with these laboratories. Research and graduate work are conducted in the Research Laboratory and Library Building. For the use of advanced students and investigators the nucleus of a chemical library, embracing the principal works of reference, is kept in the laboratory. The main library contains complete files of the more important journals of biochemistry.

Required Courses—First Year

4. Physiology.—Blood and lymph, muscle and nerve, circulation. Lectures and recitations; 3: demonstration and laboratory; 3. *I.*

Professor Dreyer, Associate Professor Oslund, Assistant Professor Reed and assistants

6. Physiological Chemistry and Toxicology.—Lectures, demonstrations, conferences; 2½: laboratory; 7½. *I.*

Professor Welker, Associate Professor Bergeim, Dr. Cole, Mr. Boor, Mr. Johnson and assistants

Required Course—Second Year

5. Physiology.—Respiration, secretion, digestion and absorption, excretion, metabolism, special senses, central nervous system. Lectures, recitations, demonstrations; 3: laboratory; 4. *I.*

Professor Dreyer, Associate Professor Oslund, Assistant Professor Reed and assistants

Elective Courses

(*Prerequisites*: In physiology, courses 4 and 5, in chemistry, course 6.)

51. Advanced Laboratory Work.—Physiological demonstrations and research; graphic methods. 3. *I.*

Professor Dreyer, Associate Professor Oslund, Assistant Professor Reed

53. Internal Secretion.—3. *I.* Associate Professor Oslund

54. Gastro-Intestinal Tract.—3. *I.* Assistant Professor Reed

55. Physiology of the Special Senses.—3. *I.* Professor Dreyer

60. Special Topics in Biochemistry.—Blood analysis. Vitamine studies. Methods and clinical significance.—6. *I.* Associate Professor BERGEIM, Dr. COLE

61. Physical Chemistry.—The elements of physical chemistry and their application to biology and medicine. Prerequisite: Quantitative analysis.—6. *I.* Dr. COLE

62. Preparation of Pure Proteins.—6. *I.* Profesor WELKER

63. Physiological Seminar.—Members of the teaching staff and advanced student meet weekly to discuss special topics suggested by current research and the journal literature.

65. Biochemical Seminar.—The members of the teaching staff and graduate students in physiological chemistry meet weekly to discuss the current literature.

Research.—The laboratories are open to persons with the requisite scientific training for the conduct of original investigations under the direction of the members of the staff.

COURSES FOR GRADUATES

101. Advanced Biological Chemistry.—Biochemical methods of research, biological colloids, enzyme action and metabolism.—*One or two units.*
Professor WELKER, Associate Professor BERGEIM

103. Biochemical Research.—*One or two units.*
Professor WELKER, Associate Professor BERGEIM

105. Advanced Physiology.—An introduction to original work in Experimental Physiology. Individual instruction in fundamental methods. Laboratory course.—*One or two units.* Associate Professor OSLUND

109. Research Work in Physiology.—*One or two units.*
Associate Professor OSLUND

SURGERY

Professor HEDBLOM, *Head of Department*

GENERAL SURGERY

Professors HEDBLOM, HUMISTON, PERCY, SCHULTZ, DYAS, PHIFER; Associate Professor DE TARNOWSKY; Assistant Professors DAVENPORT, ZIMMERMAN, NADEAU, METZ, MCARTHUR, JIRKA, JONES, BAMBERGER; Dr. SULLIVAN, Dr. KOUCKY, Dr. SEED, Dr. CRILE, Dr. GRAHAM, Dr. KORDENAT, Dr. HEAD, Dr. WERNICKE, Dr. AMBERSON, Dr. MORA, Dr. JOANNIDES, Dr. MEYER, Dr. ODEN, Dr. WILLIS, Dr. STEIN, Dr. ZECHEL, Dr. LEVIN, Dr. BRAUDE, Dr. M. L. PARKER, Dr. STEINMAN

GENERAL STATEMENT

Instruction in surgery is begun in the second semester of the second year and continues throughout the third and fourth years.

In the second semester of the second year a course of lectures and demonstrations is given touching on the history of surgery and outlining the fundamental principles of surgery with special reference to asepsis, anaesthesia, wound healing, shock, hemorrhage and some of the infectious conditions.

In the third year, instruction consists of a systematic course in regional surgery, instruction in history taking, minor surgery and surgical dressings in the dispensary, and of clinical and operating room demonstrations in which diagnosis, surgical indications and pathology are chiefly stressed.

In the fourth year the clinical and operating room demonstrations continue and each student is required to serve for a stated period as clinical clerk in the surgical wards of the hospital. During this period, the student is required to take histories and do physical examinations under the supervision of members of the staff on cases assigned to him. He is also expected to be present at operations on patients he has studied, to make a careful study of any pathological specimens removed, to follow the patient's convalescence and to embody his observations together with the result of collateral reading bearing on the case in the case history which he submits as the basis for credit. The student is also expected to be present at all post-mortems performed at the hospital during the period of his clerkship.

In addition to the above mentioned required work, elective courses are offered including surgical anatomy, operative surgery on the cadaver and on animals and in some of the surgical specialties.

Required Course—Second Year

1. **Fundamental Principles of Surgery.**—Asepsis, Anaesthesia, Shock, Hemorrhage, Septicemia, Surgery of the Skin, Blood Vessels and Lymphatics and Surgical Dressings. 2. *I.*

Required Courses—Third Year

2. **Regional Surgery and Surgical Pathology.**—Conferences, demonstrations, recitations. 2. *II.*

Professor Phifer, Assistant Professor Bamberger, Dr. Seed, Dr. Sullivan

5. **Surgical Diagnosis.**—Research and Educational Hospital. 1. *I.*

Professor Hedblom

6. **Clinic.**—Research and Educational Hospital. 1 two-hour period. (*eight weeks*). *I.* Dr. Head

7. **Clinic.**—Dispensary. Research and Educational Hospital. History taking Diagnosis, Minor Surgery and Surgical Dressings. 3 two-hour periods. (*three weeks*). *II.*

Assistant Professor Bamberger, Dr. Seed, Dr. Koucky, Dr. Kordenat, Dr. Amberson, Dr. Meyer

11. **Clinic.**—Cook County Hospital. 1 two-hour period. (*eight weeks*). *I.*

Professor Dyas

13. **Clinic.**—Augustana Hospital. 1 two-hour period. (*eight weeks*). *I.*

Professor Percy

ELECTIVE COURSES—THIRD YEAR

50. Principles of Surgery.—A review course. 2. *I.* Dr. MORA

52. Operative Surgery of the Abdomen.—1. *I.* Dr. GRAHAM, Dr. BRAUDE

53. Surgery of Fractures.—2. *I.* Dr. CRILE

54. Preoperative and Postoperative Treatment.—1. *I.* (Minimum number, 6 students.) Assistant Professor NADEAU

55. Anaesthesia, Blood Transfusion, Surgical Dressings, and Bandaging.—Individual instruction and demonstration. 1. *I.* Dr. HEAD

56. Special Features.—Lectures, Recitations, Conferences. 2. *I.* Assistant Professor DAVENPORT

57. Surgical Diagnosis.—1. *I.* Dr. KORDENAT

75. Surgical Diagnosis.—1. *I.* Professor DYAS

REQUIRED COURSES—FOURTH YEAR

20. Clinic.—Research and Educational Hospital. 1 two-hour period. (*eight weeks*). *I.* Professor HEDBLOM

21. Surgical Diagnosis.—1. (*eight weeks*). *I.* Professor HUMISTON

22. Clinic.—Research and Educational Hospital. 1 two-hour period. (*eight weeks*). *I.* Dr. SEED

23. Clinic.—Research and Educational Hospital. 1 two-hour period. (*eight weeks*). *I.* Dr. KOUCKY

24. Clinic.—Cook County Hospital. 1 two-hour period. (*eight weeks*). *I.* Professor DYAS

25. Clinic.—Washington Boulevard Hospital. 1 two-hour period. (*eight weeks*). *I.* Assistant Professor METZ

26. Surgical Pathology.—Laboratory. 1 two-hour period. (*eight weeks*). *I.* Assistant Professor NADEAU, Dr. HEAD

28. Clinic.—Cook County Hospital. 1 two-hour period. (*eight weeks*). *I.* Associate Professor DE TARNOWSKY

32. Clinic.—Augustana Hospital. I two-hour period. (*eight weeks*). *I.* Professor PERCY

33. Clinic.—St. Luke's Hospital. 1 two-hour period. (*eight weeks*). *I.* Assistant Professors JONES, MCARTHUR

36. Clinic.—Cook County Hospital. 1 two-hour period. (*eight weeks*). *I.* Assistant Professor JIRKA

ELECTIVE COURSES—FOURTH YEAR

51. Regional Surgery.—A review course. 2. *I.* Dr. MORA

58. Surgery of the Central Nervous System.—1. *I.* Assistant Professor DAVENPORT

59. Surgery of the neck.—1. *I.* Dr. Seed

60. Surgery of the Thorax.—1. *I.*
Professor Hedblom, Dr. Head, Dr. Van Hazel

61. Surgery of the Abdomen.—1. *I.* Professor Humiston

64. Surgery of the Spleen and Anaemias.—1. *I.* Professor Percy

66. Operative surgery on the cadaver.—Regional Surgical Anatomy. Individual demonstration. 1 two-hour period. *I.* Dr. Crile

68. Operative surgery on animals.—1 two-hour period. *I.* Dr. Koucky

70. Research on assigned problems to those qualified.
Professor Hedblom and staff

71. Surgery of the Neck.—1. *I.* Dr. Meyer

72. Oral Surgery.—1. *II.* Professor Schultz

73. Traumatic Surgery.—1. *I.* Associate Professor De Tarnowsky

74. Neurological Surgery.—1. *I.* Dr. Head

Course for Graduates

101. Research Work in Surgery.—*One to three units.* Professor Hedblom

GENITO-URINARY SURGERY

Professor McKenna; Assistant Professors Herrold, O'Conor; Dr. Hirsch, Dr. Van Hazel, Dr. Platin

Required Courses—Third Year

3. Practice.—Conferences, recitations. In sections. 1. *I.*
Professor McKenna, Assistant Professors Herrold, O'Conor, Dr. Van Hazel

5. Clinic.—Dispensary. In sections. 3 two-hour periods. (*three weeks*). *I.*
Professor McKenna, Dr. Van Hazel, Dr. Hirsch, Dr. Platin

Elective Course—Third Year

50. Advanced Genito-Urinary Surgery. 1. *I.*
Professor McKenna, Assistant Professor Herrold, Dr. Hirsch

Required Courses—Fourth Year

12. Clinic.—Washington Boulevard Hospital. In sections. 1 two-hour period. (*four weeks*). *I.* Assistant Professor O'Connor

13. Clinic.—Research and Educational Hospital. Individual instruction in the diagnosis of genito-urinary diseases, including cystoscopy, catheterization of the ureters, interpretation of roentgenograms and of chemical and microscopical urinalyses. In sections. 1 two-hour period. (*four weeks*). *I.*
Professor McKenna

Elective Course—Fourth Year

51. Surgery of the Genito-Urinary tract. 1. *I.*
Professor McKenna, Assistant Professor O'Conor

ORTHOPEDIC SURGERY

Professor THOMAS; Assistant Professor HOBART; Dr. MURPHY, Dr. HAUSER, Dr. MARSHALL, Dr. FISCHER, Dr. ROSS, Dr. MULLIN

REQUIRED COURSES—THIRD YEAR

3. Practice.—Conferences, recitations. In sections. 1. *I.*

Professor THOMAS, Assistant Professor HOBART, Dr. MURPHY, Dr. HAUSER, Dr. MARSHALL, Dr. FISCHER

5. Clinic.—St. Luke's Hospital. 1 two-hour period. *I.*
Professor THOMAS, Assistant Professor HOBART, Dr. HAUSER

15. Clinic.—Dispensary. In sections. 3 two-hour periods. (*three weeks*). *I.* Professor THOMAS, Assistant Professor HOBART, Dr. MURPHY, Dr. HAUSER, Dr. MARSHALL, Dr. FISCHER, Dr. ROSS, Dr. MULLIN

ELECTIVE COURSE—FOURTH YEAR

50. Special Topics in Surgery of Joints.—Internal derangement of the knee-joint; orthopedic management of injuries and infections of the wrist-joint; bony blocking of joints, bone tumors. 1. *I.* Professor THOMAS, Dr. HAUSER

PROVISIONAL SUMMARY OF HOURS

FIRST YEAR

Subjects	First Semester		Second Semester		Total
	Didactic	Laboratory	Didactic	Laboratory	
Anatomy, Gross	48	96	48	96	288
Histology	48	96	..	..	144
Embryology	..	..	24	48	72
Bacteriology	..	..	32	96	128
Chemistry (Physiological)	40	120	..	..	160
Physiology	..	..	48	48	96
	136	312	152	288	888

SECOND YEAR

Subjects	First Semester		Second Semester		Total
	Didactic	Laboratory	Didactic	Laboratory	
Hygiene	32	..	..	..	32
Medicine	16	..	32	..	48
Physical Diagnosis	..	..	16	32	48
Neurology*	24	48	..	..	..
Obstetrics	..	..	32	..	32
Pathology	48	128	..	..	176
Clinical Pathology	..	..	16	64	80
Pharmacology	16	32	32	64	144
Physiology	48	64	..	..	112
Surgery	..	..	32	..	32
Electives	..	..	..	96	96
	160	224	160	256	800

*Not to be given during 1929-30.

PROVISIONAL SUMMARY OF HOURS (Continued)

THIRD YEAR

Subjects	First Semester		Second Semester		Total
	Didactic	Clinical and Laboratory	Didactic	Clinical and Laboratory	
Anatomy, Topographic	..	64	..	..	64
Autopsies	..	16	..	16	32
Pathology, Special	..	..	..	48	48
Dermatology	..	..	16	..	16
Hygiene	..	..	32	..	32
Medicine	32	98	32	82	244
Neurology	..	..	16	..	16
Obstetrics	32	25	..	25	82
Otolaryngology	16	17	10	17	60
Pediatrics	16	12	16	12	56
Therapeutics	32	..	..	..	32
Surgery	32	50	32	50	164
Genitourinary Surgery	16	9	..	9	34
Orthopedic Surgery	..	25	16	25	66
Electives	32	..	32	..	64
	208	316	202	284	1010

FOURTH YEAR

Subjects	First Semester		Second Semester		Total
	Didactic	Clinical and Laboratory	Didactic	Clinical and Laboratory	
Dermatology	16	6	16	6	44
Gynecology	20	21	20	21	82
Hygiene	..	32	..	..	32
Jurisprudence	..	..	16	..	16
Medicine	16	104	32	104	256
Neurology	..	24	..	40	64
Obstetrics	..	12	..	12	24
Ophthalmology	16	20	..	20	56
Pediatrics	..	44	..	44	88
Psychiatry	..	12	..	12	24
Roentgenology	32	..	..	..	32
Surgery	..	76	..	76	152
Genitourinary Surgery	..	8	..	8	16
Surgical Pathology	..	8	..	8	16
Electives	88	..	88	..	176
	188	367	172	351	1078

COLLEGE ORGANIZATIONS

WEST SIDE PROFESSIONAL SCHOOLS DEPARTMENT Y. M. C. A. OF CHICAGO

The new ten-story building is located one block east of the college of medicine. It contains 348 rooms especially planned for students, a spacious lounge, gymnasium, handball courts, and individual exercise rooms. It also contains several business features such as a fine cafeteria, soda fountain luncheonette, and a barber shop.

The aim of the Association is service. It not only provides clean living accommodations for students at a nominal cost, but endeavors to interest students in its cultural programs and activities. As far as possible employment is secured for students who must earn a part of their expenses.

The institution is operated by a Committee of Management made up of representatives of the six professional schools and hospitals of this community. Special rates are given to students who are enrolled in a professional school. For further information please write to the Y. M. C. A. at 1804 W. Congress Street.

ALUMNI ASSOCIATION OF THE COLLEGE OF MEDICINE OF THE UNIVERSITY OF ILLINOIS

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Member Executive Committee—Charles Stoltz, '93, 311 W. Jefferson Blvd., South Bend, Indiana.

Alumni Councillors—Ralph Woods, '13, LaSalle, Illinois.
F. J. E. Ehrmann, '93, 2059 W. 21st St., Chicago.
Wm. A. Mann, Jr., '21, 30 N. Michigan Ave., Chicago.
John L. Rock, '16, Oglesby, Illinois.
Frank P. Thometz, '08, 2132 Roosevelt Rd., Chicago.
LeRoy B. Elliston, '09, LaSalle, Illinois.
Ward E. Potter, '00, 104 N. Oak Park Ave., Oak Park, Ill.
C. B. Voigt, '00, Mattoon, Illinois.
Leo M. Czaja, '11, 1800 S. Ashland Ave., Chicago.
John H. Evans, '08, 523 S. Crawford Ave., Chicago.
Edward F. Slavik, '13, Pac. S. W. Bldg., Pasadena, Cal.
D. W. Staib, '88, Bartlett, Illinois.

Alpha Omega Alpha

Alpha Omega Alpha, an international honorary medical fraternity, with chapters in twenty-four "Class A" medical schools, was founded in the College of Medicine in 1902.

Third and fourth year medical students who have a grade of scholarship ranking them in the upper one-sixth of their class are eligible for membership.

GROUP II. CLASS OF 1929

MELVIN LOUIS AFREMOW
EDWIN WALDAMAR EDAHL
LOUIS GOGOL
RALPH HESS KUNSTADTER
PERRY JULIUS MELNICK
JOSEPH CYRUS REINGOLD
FRED D. STONE

GROUP I. CLASS OF 1930

IRVING DREYER
FORD KIMMEL HICK
IRVING SIEGEL
BENJAMIN IDE WEININGER
IRVING WOLINSKY

COLLEGE OF MEDICINE OF THE UNIVERSITY OF ILLINOIS CHAPTER OF THE SOCIETY OF THE SIGMA XI

In the Spring of 1928 the Sigma Xi Society granted a charter for the organization of a chapter of this Society at the College of Medicine of the University of Illinois. The Society has for its object the promotion of research.

OFFICERS FOR 1929-30

Dr. H. A. McGuigan, President; Dr. F. E. Senear, Vice-President; Dr. W. H. Welker, Secretary; Dr. I. Pilot, Treasurer; Dr. D. J. Davis, Dr. W. F. Petersen and Dr. O. F. Kampmeier, members of the Executive Committee.

ELECTED TO ACTIVE MEMBERSHIP, MAY, 28, 1929

Mr. M. G. HENRY, *Instructor in Physiology*
Dr. F. L. LEDERER, *Assistant Professor of Laryngology, Rhinology and Otology*
Dr. R. A. LIFVENDAHL, *Instructor in Medicine and Assistant in Dermatology*
Dr. H. A. SINGER, *Assistant Professor of Medicine*

ASSOCIATE MEMBERS

Dr. L. E. AMTMAN, *Instructor in Pathology*
Dr. M. G. BOHROD, *Instructor in Pathology and Bacteriology*
Mr. A. K. BOOR, *Assistant in Physiological Chemistry*
Dr. E. FOLEY, *Associate in Medicine*
Dr. H. G. PONCHER, *Instructor in Pediatrics*

PAPERS READ BEFORE THE SOCIETY, 1928-29

"Experimental Study of Oral Vaccination," Dr. L. Arnold.
"Digestion of Raw Starch," Dr. O. Bergeim.
"A Study of Constitutional Reactions of One Hundred So-Called Normal Individuals," Drs. W. F. Petersen and S. A. Levinson.
"Victor Emanuel Emmel: In Memoriam," Dr. O. F. Kampmeier.
"Leucocyte Reaction in Acute Inanition," Drs. V. E. Emmel and M. H. Streicher.
"Iron Content of Animal Organs During Growth," Mr. P. Ewing.
"Studies on Pollen Proteins. I. A Preliminary Report of the Fractionation of the Proteins and Their Skin Reactions on Sensitized Individuals," Dr. B. Z. Rappaport and Mr. C. A. Johnson.

"The Principles Underlying the Surgical Treatment of Tuberculosis," Dr. C. A. Hedblom.

"Weight Variations of Hogs on Various Types of Diets Inadequate in Calories," Dr. R. W. Keeton.

"Relation of the Tuber Cinereum Region of the Brain to Epilepsy and the Psychoses," Dr. L. O. Morgan.

"Influence of Diet on Fecal Indole," Dr. O. Bergeim.

MEDICAL RESEARCH CLUB

The Medical Research Club, the object of which is the stimulation of scientific research, meets once a month for the discussion of original scientific contributions. Since its organization in January, 1914, many papers have been presented before the society. The spirit of generous competition and helpful criticism that prevails in this club has been a stimulus toward the production of an increasing number of valuable scientific contributions.

Graduate students and others giving promise of doing meritorious work are eligible to associate membership. Associate members have all the rights and privileges of the club except the right to vote.

Elected to Membership, 1928-1929

Active Members

Eric A. Fennel, M.D., *Associate Professor of Pathology and Bacteriology*
Carlos I. Reed, A.B., A.M., Ph.D., *Assistant Professor of Physiology*
Jerome G. Finder, B.S.. M.S., *Graduate Student*
Meredith L. H. Ostrom, B.S., M.S., *Graduate Student*
Charlotte H. Singer, B.S., M.S., *Graduate Student*
Paul L. Ewing, A.B., M.S., *Instructor in Medicine*
Bertha Kaplan, B.S., M.S., *Instructor in Medicine*
Harry A. Singer, B.S., M.D., *Assistant Professor of Medicine*
Melvin L. Afremow, B.S., M.S., *Graduate Student*
Dr. Leo Bleyer, M.D., *Director of the Clinical Laboratories*
Minas Joannides, M.D., M.S., *Instructor in Surgery*
Aaron Learner, B.S., M.S., *Graduate Student*
Perry J. Melnick, B.S., M.S., *Graduate Student*
Carroll W. Student, D.S., B.S., M.S., *Graduate Student*
Emil Weiss, M.D., *Associate Professor of Bacteriology and Pathology, Loyola University*
Dorothy H. Welker, A.B., B.S., *Graduate Student*

Honorary Member

William D. Harkins, A.B., Ph.D., *Professor of Chemistry, University of Chicago*

Papers Read Before the Club, 1928-29

"The Relationship Between Gastric Acidity, Duodenal H^+-ion Concentration and Auto-Disinfection of the Intestional Tract," Drs. L. Arnold and T. G. Hull.

"Studies in Pathology and Pathogenesis of Tabes Dorsalis," Dr. G. B. Hassin.

"The Action of Some of the Muscles of Respiration," Dr. J. R. Head.

"Epilepsy," Dr. A. M. Saunders.

"Motion Pictures Demonstrating Intestinal and Gastric Peristalsis," Dr. Arnold A. Zimmerman.

"Mesityl Oxide Intoxication," Dr. W. J. R. Camp.

"Experiments with Parathromone," Mr. A. Learner.

"Studies on Blood Calcium of Normal and Parathyroidectomized Albino Rats," Drs. W. R. Tweedy and S. B. Chandler.

"A Study of the Basal Metabolism Rate During Pregnancy and the Puerperium," Dr. J. A. C. Busby.

"Mechanics of the Action of the Intercartilaginous Muscles," Dr. J. R. Head.

"Carbohydrate Metabolism in Parathyroid Tetany," Dr. C. I. Reed.

"Thrombocytes in Leucemia," Dr. C. L. Birch.

"A New Sugar," Dr. W. C. Austin.

"The Etiology of Aspiratory Lung Abscess," Dr. M. Joannides.

"Spectroscopic Study of Pure Carbonmonoxide Hemoglobin," Dr. A. Bachem and Mr. A. K. Boor.

"Influence of Anterior Pituitary on Reproduction and Growth," Drs. E. Larson, O. Bergeim, D. J. Barben and N. F. Fisher.

"Some Biological Effects of the Na Salts of Alkylresorcinol Carboxylic Acids and Their Dependence on the Constitution of Alkyl Side Chain," Dr. L. Bleyer.

"The Transparency of Live and Dead Animal Tissue to Ultra Violet Light," Drs. A. Bachem and C. I. Reed.

"Innervation of the Cerebral Blood Vessels," Dr. G. B. Hassin.

"Observations on the Nucleus and Tract Solitarius in Man," Drs. R. M. Strong and E. G. Cada.

"Active Immunization of Pregnant and Puerperal Women with Streptococcal Toxins Against Streptococcal Puerperal Fever," Dr. A. F. Lash.

"New Methods in the Seriodiagnosis of Syphilis," Dr. Ernst Meinicke.

"Colloids and the Orientation of Molecules in Surfaces," Dr. William D. Harkins

DEGREES CONFERRED

Degree of Doctor of Medicine

Conferred September 1, 1928

Harry David Ellis
Hubert Spangler Houston, Ph.G., B.S.
Emery Orville Jodar, B.S.
Jacob Louis Marks, B.S.

Conferred September 6, 1928

James Carswell, Jr.

Conferred October 1, 1928

John Virgil Fishel
Janette Louise Holt

Conferred October 3, 1928

Francis William Logan
Lee Roy McDaniel

Conferred October 13, 1928

John Kelly Moeur

Conferred November 1, 1928

Ralph Otis Peterson, B.S.

Conferred December 1, 1928

Harold D. Clayberg, A.B., M.S., Ph.D.

Conferred December 31, 1928

Sergius Felix Arquin, B.S.
Edward Albert Grabarski, B.S.
Cornelius Edward Healy
Harold William Kishpaugh, B.S.
Alfred Larson, B.S., Ph.D.
Herbert Thomas Nash
Louis Parmacek, B.S.
Frederic Burnham Western, B.S.

Conferred January 31, 1929

George Milles, Ph.G., B.S.
Nicholas Ernest Sodaro

Conferred February 14, 1929

John Richardson Alexander.

Conferred April 1, 1929

Paul Frederick Kionka

Conferred June 10, 1929

Paul Andrew Koestner

Conferred June 15, 1929

Fred Cooper
Frank Glassman
Earnest Eugene Jones, B.S.
Joseph Hynek Just, B.S.
Barton Jerome Powell, Jr., B.S.
Milo Edward Vacin

Conferred June 17, 1929

Wendel Francis Holmes, B.S.

Conferred June 18, 1929

Amadel Ferruccio Gregoline, B.S.

Conferred June 29, 1929

Tom George Hays

Conferred July 1, 1929

Abe Louis Aaronson, B.S.
Wright Rowe Adams, B.S.
Kenning Meredith Anderson, B. S.
Jacob Morris Aronson, B.S.
William Odus Baldridge
Anthony Martin Barone
William James Blackard, Jr.
John Richard Boyd, B.S.
Arthur Russel Brandenberger, B.S.
Benjamin Davis Braunstein, B.S.
Olga Gowseevna Brolnitsky
Clyde M. Brooks
Allen Maxwell Bruner, B.S.
Hyman Jack Burstein, B.S.
Paul Vincent Carelli, Jr., B.S.
James Patrick Carmody, B.S.
Morey Chapman, B.S.
Fred Danziger, B.S.
George Edward DeTrana, B.S.
Rowland Magnus Elkstrand, B.S.
Walter Raymond Fallon, B.S.
Burton Albert Finne, B.S.
Joseph Richard Franco
Fred Gilbert, B.S.
Jack Greenwald, B.S.
Lilburn Silvas Greenwood, B.S.
Julius Gurevitz, B.S.
Harold Frederick Hansen
Frederick E. Haskins, B. S.
Ida Heissig, B.S.
Harold Herrin Hill, B.S.
John George Hillebrand, B.S.
Edmund Herman Holten
Frank Douglas Jacobs, Jr., B.S.
Elmer Theodore Johnson, B.S.
Edward Francis Joss, B.S.
Joseph Kanter, B.S.
Meyer Jacob Keren, Ph.G.
Benjamin Herman Kesert, B.S.
Frank Milton Kilgard, B.S.
John Adolph Larson, B.S.
Herman G. Levin, B.S.
Howard Jack LeVine, B.S.
Mahlon Daniel McPherson, B.A.
Frank John Maniscalco, B.S.
Cecil Lawrence Martin
LeVille Hendricks Merrill, A.B.
Hershel Meyer, B.S.
Oscar James Michael
Harold Montgomery Mortimer, B.S.
William Howard Newton, B.S.
Lester Cleo Olin, A.B.
Emanuel Padnos, B.S.
Nell Treva Pattengale, B.S.
Ben Pearlman, B.S.
Dwight Pence, B.S.
Kenneth Norman Petri, B.S.
Julius Prohovnik, B.S.
Cloyd Long Pugh, B.S.
Glenn Raymond Ray, B.S.
Walter Jacob Reich, B.S.
Martin Abraham Reichman
Jacob Edgar Reisch, B.S.
Louis Allan Richburg, B.S.
Cyril Brown Ritchie, B.S.
John Bartholomew Ruggiero, B.S.
George Schatz, B.S.
William Henry Schowengerdt, B.S.
Carlo Salvadore Scuderi, B.S.
Galen Krauth Sellers, B.S.
Daniel Anderson Simmons, B.S.
Arch E. Spelman, B.S.
Harry Hart Stephens, B.S.
Leland Manford Thomas Stilwell, A.B., B.S.
Milton Joseph Summerville, A.B.
Henning Melville Swenson, B.S.
James Stewart Walsh, B.S.
Edgar Wilkin Weir
James Walker Wetzel
Lyle Joseph Willis, B.S.
Ona Verne Wilson, A.B.
Samuel David Zuker, B.S.

Conferred July 7, 1929

Carey M. Smith

Conferred August 1, 1929

Arthur Melville Schorr, B.S.

Conferred August 15, 1929

Herbert John Kirchner, B.S.
Lawrence Forrest Whittaker, B.S.

THE DEGREE OF BACHELOR OF SCIENCE

Conferred February 13, 1929

Behle Basil Burns
Oscar James Michael
Frank E. Nagel, Jr.
John Michael Nowak
George Shropshear
Harry Shuger
Annette Clarke Washburne
George Seymour Weiss
Marshall Yonan

Conferred June 8, 1929

Henry Akina
Stephen Hedges Ambrose
Leon Judah Aries, *With Honors*
Walter Hilmar Baer
Barbara Florence Benda
Solomon J. Benensohn
Louis Berger
Helen Clara Brezina
Charles Robert Bloom
Harry Burstein
Theodore Moffett Carow
Alvin Jay Cerny
Henry I. Chapman
Frances Almeda Cline
Bernard M. Cohen
David Cohen
Landis Young Davis
Edward Jack Denenholz, *With Honors*
Jacob Edinburg
David Vernon Effron
John B. Erich
Edward Graham Evans
Glenn Francis Fishel
William Fox
John Cowrier Garland
William James Gillesby, S.B.
Robert Joseph Glenner
Harry Robert Charles Groppe
Stephen John Hansen
Alfred Helmar Herman
Bernard Horwitz
Samuel Hyman
Howard Matthew Jacobs
Richard Paul Johnson, *With Honors*
Hyman Joseph Kaplan, A.B.
Morris Aaron Kaplan
Philip Kaplan
Charles Herman Kaufman
Irving Kaufman, *With High Honors*
Roy L. Kenward
Reuben Klein, A.B.
Alfred Paul Klomhaus
Louis Francis Kompare
Fred O. Kuehl
Gustav Richard Laube
David Lerner
Eugene George Lipow, Ph.G.
Samuel Alvin Loseff
Alvin Leroy Mathis
Harold Forest Oakes
Roger Ralph Olsen
Peter Ostrofsky
Frank Joseph Piszkiewicz
Ernest DeWitt Ponzer
Sidney Price
Theodore Newell Rafferty
Alex Benjamin Ragins
Samuel Reznick
Lester Riskind
Brooks Leek Roberson
Harold Xavian Rubin
Doran Therman Rue, A.B.

Meyer Isadore Saberman
Ivan Sandberg
Paul D. Sanfilippo, *With Honors*
Kenneth H. Schnepp, A.B.
William Jack Schutz
Guy Emil Seymour, A.B.
Louis Bernard Shapiro
Maurice Maceo Shaw
Henry Abraham Siegal
Joseph Simons
Charlotte H. Singer
F. Kirk Smith
Russell Lee Smith
Conrad Samuel Sommer
Percy Alfred Staley
John Wayne Stevens
Everett Lee Strohl
Clifford Patrick Sullivan
Paul Edgar Swanson
Emanuel Taft
Marion Meredith Taylor
Louis Arlington Terman
Otto Ernest Van Der Aue, *With Honors*
Kenneth Houston Vinnedge
Theodore John Wachowski
Dorothy Hutchinson Welker, A. B., *With Honors*
John Francis Wixted, A.B.
Howard Zeitlin

Certificate Presented June 8, 1929

Students who have completed four years of scheduled work in the College of Medicine of the University of Illinois, and who, upon the completion of a year of satisfactory interneship in a hospital approved by the University, will be entitled to the degree of Doctor of Medicine.

Irving Richard Abrams, B.S.
Melvin Louis Afremow, B.S.
Marshall Wells Alcorn, B.S.
Dwight Wilson Anderson, B.S.
William Eugene Anderson, B.S.
Lawrence Grant Balding, B.S.
Raymond G. Bayles
John Goldfreed Bellows, B.S.
Clarence Edward Bensema, B.S.
Earl Elmer Blanck, B.S.
Ralph Clinton Boren, B.S.
Clay Stephen Boswell, B.S.
Marshall Ovid Boudry, B.S.
Charles Edward Boylan
[4]Roosevelt Brooks
Alexander Brown, B.S.
Levi Martin Browning
Carl Edward Clark, B.S.
John Henry Connell
Carlos Clinton Craig, B.S.
Martin Saul Croft, B.S.
James Eugene Paul Davia, B.S.
Martha Louise Dedrick, B.S.
Rebecca Betty Lidovsky Delson B.S.
Johanna Mary Dieckmann, B.A., M.A.
Francis Emmons Drew, B.S.
°Edwin Waldamar Edahl
Emil Gunvald Ericksen
Morris Feinstein, B.S.
Irving Benwith Ferrias, B.S.
Philmour Fink, B.S.
Sydney Richard Forkosh, B.S.
Alexander Lanford Freeman, B.S.
Roy Preston Garrett, B.S.
†John Talbot Gernon, B.S.
Louis Jacob Gogol, B.S.
J. Wilson Gray, B.S.
Daniel Haffron, B.S.
Arthur Abraham Halevy
[4]Elizabeth Webb Hill, A.B., B.S.
James Manuel Johnson, B.S.
Otto Gustav Klein, B.S., A.B.
[1]Alfred Paul Klomhaus
Salmon Arthur Koff
Louis Francis Kompare
‡Willard Edwin Kramer, A.B., B.S.
Ikbal Krishna, A.B., B.S.
Ralph Hess Kunstadter, B.S.
Gustav Richard Laube
Frank Joseph Lavieri, B.S.
Aaron Learner, B.S.
Louis Leo Levitt, B.S.
Irving Daria Litwack, B.S.
Adelina Florence Lobraico, B.S.

Naomi Therese Lucius, B.S.
George Cletus McGinnis
Allan F. McLaughlin, B.S.
Edward Joseph McNulty
Isadore Mallin, M.S.
David Mansowitz, B.S.
*Aquil Mastri, B.S.
Alvin Leroy Mathis
John Archibald Mathis, B.S.
Perry Julius Melnick, B.S.
Donald Glenn Mershon, B.S.
George Irving Meyer
Alfred Frederick Miller, B.S.
Leo Frederick Miller, B.S.
Maurice Miller, B.S.
Max Malcolm Montgomery, B.S.
Laurence Moses Moore
Randall B. Moreland, B.S.
Waldo Evans Murphy
Frank Emil Nagel, Jr., B.S.
Justin Russell Nash
Lovell Arthur Neal, B.S.
Roland Clifford Nelson, B.S.
John M. Nowak, B.S.
Frederick Dennis O'Donnell, B.S.
Dan Clark Ogle, B.S.
Irwin Lovette Oliver, B.S.
Clement Paul O'Neill, B.S.
Eli Holmes Orr, B.S.
Meredith Louis Hult Ostrom, B.S.
Robert Lester Paxton, B.S.
Albert Charles Petrik, B.S.
Abraham I. Ramenofsky, B.S.
Hugh Alexis Rasmussen, B.S.
Robert Earl Reagan, B.S.
Joseph Cyrus Reingold, B.S.
Brooks Leek Roberson
Harold Alan Roth, B.S.
Carmen Francis Russo, B.S.
Maurice Aaron Schiller, B.S.
John Wheeler Schori
Hyman Joseph Schorr
Sidney Schreiber, B.S.
Benjamin Seid, B.S.
Arthur Louis Shafton, B.S., B.A.
Fred Shapiro, B.S.
Harold Shellow, B.S.
Harry Shuger, B.S.
[2]Harold Edward Silverman
David Charles Simon, B.S.
Charles Otis Smith, A.B., B.S.
Kenneth John Smith, B.S.
Robert Harlie Smith, B.S.
Felix Walter Sokolowski
Sam Solomon, Jr., B.S.
Percy Alfred Staley
[3]Paul Joseph Starcevich
Alexander Louis Stearns, B.S.
Fred D. Stone, B.S.
Carroll W. Stuart, D.D.S., B.S.
Fred Louis Stuttle, B.S.
*Charles Raymond Summers, B.S.
Samuel Schwied, B.S.
Arthur Alfred Tait, A.B., B.S.
Walter William Tobin, B.S.
Andrew John Toman, B.S.
Kenneth Houston Vinnedge
Halvard Wanger, B.S.
Annette Clarke Washburne, Ph.B., B.S.
*Arthur Sterling Webb
George Seymour Weiss, B.S.
Norman Arnold Wien, B.S.
*Herbert John Wing
Henry H. Wolf, B.S.
George Frederick Wollgast
Marshal E. Yonan, B.S.

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†September 1, 1928
*October 13, 1928
‡January 31, 1929
°February 1, 1929
[1]July 1, 1929
[2]July 9, 1929
[3]July 26, 1929
[4]July 30, 1929

REGISTER OF STUDENTS

SESSION OF 1929-30

FIFTH YEAR CLASS—HOSPITAL APPOINTMENTS

Augustana Hospital Chicago, Illinois	Levi Martin Browning
	Carlos Clinton Craig
Baptist Hospital Houston, Texas	Clarence E. Bensema
Cook County Hospital Chicago, Illinois	Irving R. Abrams
	Melvin L. Afremow
	John G. Bellows
	Earl E. Blanck
	Ralph Clinton Boren
	*Charles E. Boylan
	Maurice Feinstein
	*Sydney R. Forkosh
	*Louis J. Gogol
	Daniel Haffron
	Otto G. Klein
	Irving D. Litwack
	*David Mansowitz
	Perry J. Melnick
	Maurice Miller
	*Max M. Montgomery
	*Clement P. O'Neill
	Albert C. Petrik
	*Abe I. Ramenofsky
	Harold Alan Roth
	Carmen F. Russo
	Maurice Schiller
	*Sidney Schreiber
	Samuel Schwied
	*Ben Seid
	*Arthur L. Shafton
	*Fred Shapiro
	David C. Simon
	*Harold Shellow
	Kenneth J. Smith
	Sam Solomon, Jr.
	*Fred D. Stone
	*Fred L. Stuttle
	*Andrew J. Toman
	George S. Weiss
	*Norman A. Wien
	Henry H. Wolf

Decatur and Macon County Hospital Decatur, Illinois	E. Holmes Orr
Epworth Hospital South Bend, Indiana	J. Russell Nash
Evangelical Hospital Chicago, Illinois	Alexander L. Stearns
Frances Willard Hospital Chicago, Illinois	Salmon A. Koff Norman S. Wien
French Hospital San Francisco, California	Martin S. Croft
Gallinger Municipal Hospital Washington, D. C.	□John Talbot Gernon
Garfield Park Hospital Chicago, Illinois	Dwight W. Anderson Laurence Grant Balding
Grady Hospital Atlanta, Georgia	Alexander S. Freeman Frank J. Lavieri
Grant Hospital Chicago, Illinois	Donald G. Mershon Robert Lester Paxton Hugh A. Rasmussen Allen L. Sabin Harry Shuger
Henry Ford Hospital Detroit, Michigan	Irving B. Ferrias
Highland Hospital Oakland, California	Irwin L. Oliver
Hurley Hospital Flint, Michigan	Alfred P. Klomhaus Naomi Lucius
Illinois Central Hospital Chicago, Illinois	John Archibald Mathis
Indianapolis City Hospital Indianapolis, Indiana	Waldo E. Murphy
Kansas City General Hospital Kansas City, Missouri	Percy A. Staley
King County Hospital Seattle, Washington	John Wheeler Schori
Lakeview Hospital Chicago, Illinois	§Herbert John Wing
Los Angeles General Hospital Los Angeles, California	Arthur A. Halevy Roland C. Nelson
Lucas County Hospital Toledo, Ohio	Alexander Brown Ikbal Krishna
Lutheran Deaconess Hospital Chicago, Illinois	Clay S. Boswell Emil G. Ericksen Fred L. Stuttle
Lutheran Memorial Hospital Chicago, Illinois	Philmour Fink John M. Nowak Felix W. Sokolowski

Michael Reese Hospital Chicago, Illinois	Ralph H. Kunstadter Aaron Learner Joseph C. Reingold Benjamin Seid
Milwaukee Hospital Milwaukee, Wisconsin	Frank E. Drew
Mt. Sinai Hospital Chicago, Illinois	Rebecca Betty Lidovsky Delson Leo F. Miller
Parkland Hospital Dallas, Texas	George I. Meyer
Provident Hospital Chicago, Illinois	Roosevelt Brooks Roy Preston Garrett
Ravenswood Hospital Chicago, Illinois	Edward J. McNulty † Arthur Sterling Webb
Research and Educational Hospital University of Illinois, Chicago	James Davia Johanna M. Dieckmann Robert E. Reagan
Research Hospital Kansas City, Missouri	Lawrence M. Moore
Rex Hospital Raleigh, North Carolina	G. Richard Laube
San Diego County General Hospital San Diego, California	Hyman Joseph Schorr
San Francisco Hospital San Francisco, California	Marshall E. Yonan
St. Anthony de Padua Hospital Chicago, Illinois	† Aquil Mastri
St. Elizabeth's Hospital Covington, Kentucky	Isadore Mallin
St. Francis Hospital Evanston, Illinois	George C. McGinnis Frederick D. O'Donnell
St. Joseph's Hospital Marshfield, Wisconsin	Louis L. Levitt
St. Louis City Hospital St. Louis, Missouri	Louis F. Kompare Alfred F. Miller Arthur A. Tait George F. Wollgast
St. Luke's Hospital Chicago, Illinois	J. Wilson Gray
University Hospital Iowa City, Iowa	Alan F. McLaughlin Robert H. Smith Carroll W. Stuart
U. S. Marine Hospital Chicago, Illinois	‡ Willard Edwin Kramer
U. S. Marine Hospital New Orleans, Louisiana	William Eugene Anderson

U. S. Naval Hospitals Mare Island, San Diego	Ralph Clinton Boren Marshall O. Boudry Irving David Litwack Brooks L. Roberson Kenneth H. Vinnedge
Washington Park Community Hospital Chicago, Illinois	Randall B. Moreland
Wesley Hospital Wichita, Kansas	Raymond G. Bayles Martha Louise Dedrick
Wesley Memorial Hospital Chicago, Illinois	[°] Edwin Waldamar Edahl
West Suburban Hospital Oak Park, Illinois	Marshall W. Alcorn Carl E. Clark Alvin L. Mathis Frank E. Nagel, Jr. Lovell Arthur Neal Charles Otis Smith
William Beaumont General Hospital (U. S. Army) El Paso, Texas	Dan Clark Ogle
Wisconsin State General Hospital Madison, Wisconsin	Walter W. Tobin Annette C. Washburne

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[□] Service began September 1, 1928

[§] Service began November 1, 1928

[†] Service began October 13, 1928

[‡] Service began January 31, 1929

[°] Service began April 1, 1929

[*] Service begins January 1, 1930

FOURTH YEAR CLASS, 1928-29

Abrams, Irving Richard, B.S.	*Illinois*
Afremow, Melvin Louis, B.S.	*Illinois*
Alcorn, Marshall Wells, B.S.	*Illinois*
Altman, James Sloan, B.S.	*Illinois*
Anderson, Dwight Wilson, B.S.	*Illinois*
Anderson, William Eugene, B.S.	*Mississippi*
Balding, Laurence Grant, B.S.	*Illinois*
Bayles, Raymond Giblon	*Illinois*
Bellows, John Goldfreed, B.S.	*Illinois*
Bensema, Clarence E., B.S.	*Illinois*
Blanck, Earl Elmer, B.S.	*Illinois*
Boren, Ralph Clinton, B.S.	*Illinois*
Boswell, Clay Stephen, B.S.	*Illinois*
Boudry, Marshall Ovid, B. S.	*Wisconsin*
Boylan, Charles Edward	*Illinois*
Brooks, Roosevelt	*Illinois*
Brown, Alexander, B.S.	*Illinois*
Browning, Levi Martin	*Illinois*
Clark, Carl Edward, B.S.	*Illinois*
Cline, Frances Almeda, B.S.	*Illinois*
Connell, John Henry	*Illinois*
Craig, Carlos Clinton, B.S.	*Illinois*
Croft, Martin Saul, B.S.	*Illinois*
Davia, James Eugene Paul, B.S.	*West Virginia*
Delson, Rebecca Betty Lidovsky, B.S.	*Illinois*
Dedrick, Martha Louise, B.S.	*Wisconsin*
Dieckmann, Johanna Mary, B.A., M.S.	*Illinois*
Drew, Frank Emmons, B.S.	*Illinois*
Edahl, Edwin Waldamar, B.S.	*Illinois*
Ericksen, Emil Gunvald	*South Dakota*
Feinstein, Morris, B.S.	*Illinois*
Ferrias, Irving Benwith, B.S.	*Illinois*
Fink, Philmour, B.S.	*Illinois*
Forkosh, Sydney Richard, B.S.	*Illinois*
Freeman, Alexander Lanford, B.S.	*Roumania*
Garrett, Roy Preston, B.S.	*Illinois*
Gogol, Louis Jacob, B.S.	*Illinois*
Gordon, Noel Eugene, B.S.	*Illinois*
Gray, J. Wilson, B.S.	*Illinois*
Haffron, Daniel, B.S.	*Illinois*
Halevy, Arthur Abraham	*Illinois*
Herstein, David Allen	*Illinois*
Hill, Elizabeth Webb, B.A., B.S.	*Illinois*
Johnson, James Manuel, B.S.	*Illinois*
King, Ernest Quong, A.B.	*Utah*
Klein, Otto Gustav, B.S., A.B.	*Illinois*
Klomhaus, Alfred Paul, B.S.	*Illinois*

Koff, Salmon A.	*Illinois*
Kompare, Louis Francis, B.S.	*Illinois*
Kramer, Willard Edwin, A.B., B.S.	*Pennsylvania*
Krishna, Ikbal, A.B., B.S.	*Illinois*
Kunstadter, Ralph Hess, B.S.	*Illinois*
Laube, Gustav Richard, B.S.	*Illinois*
Lavieri, Frank Joseph, B.S.	*Illinois*
Learner, Aaron, B.S.	*Illinois*
Levine, Samuel	*Illinois*
Levitt, Louis Leo, B.S.	*Illinois*
Litwack, Irving David, B.S.	*Illinois*
Lobraico, Adelina Florence, B.S.	*Illinois*
Lucius, Naomi Therese, B.S.	*Missouri*
McGinnis, George Cletus	*Illinois*
McLaughlin, Alan F., B.S.	*Illinois*
McNulty, Edward Joseph	*Illinois*
Mallin, Isadore, B.S.	*Illinois*
Mansowitz, David, B.S.	*Illinois*
Mathis, Alvin Leroy, B.S.	*Illinois*
Mathis, John Archibald, B.S.	*Illinois*
Melnick, Perry Julius, B.S.	*Illinois*
Mershon, Donald Glenn, B.S.	*Illinois*
Meyer, George I.	*Illinois*
Miller, Alfred Frederick, B.S.	*Illinois*
Miller, Leo Frederick, B.S.	*Illinois*
Miller, Maurice, B.S.	*Illinois*
Montgomery, Max Malcolm, B.S.	*Iowa*
Moore, Laurence Moses	*Illinois*
Moreland, Randall B., B.S.	*Indiana*
Murphy, Waldo Evans	*Illinois*
Nagel, Frank Emil, Jr., B.S.	*Illinois*
Nash, Justin Russell	*Illinois*
Neal, Lovell Arthur, B.S.	*Illinois*
Nelson, Roland Clifford, B.S.	*Illinois*
Nowak, John M.	*Illinois*
O'Donnell, Frederick Dennis, B.S.	*Illinois*
Ogle, Dan Clark, B.S.	*Illinois*
Oliver, Irwin Lovette, B.S.	*Minnesota*
O'Neill, Clement Paul, B.S.	*Illinois*
Orr, Eli Holmes, B.S.	*Illinois*
Ostrom, Meredith Louis Hult, B.S.	*Illinois*
Paxton, Robert Lester, B.S.	*Illinois*
Petrik, Albert Charles, B.S.	*Illinois*
Ramenofsky, Abe I., B.S.	*Illinois*
Rasmussen, Hugh Alexis, B.S.	*Illinois*
Reagan, Robert Earl, B.S.	*Illinois*
Reingold, Joseph Cyrus, B.S.	*Illinois*
Roberson, Brooks Leek, B.S.	*Illinois*
Roth, Harold Alan, B.S.	*Illinois*

Russo, Carmen Francis, B.S.	*Illinois*
Sabin, Allen Lucien	*Illinois*
Schiller, Maurice Aaron, B.S.	*Illinois*
Schori, John Wheeler	*Illinois*
Schorr, Hyman Joseph	*Illinois*
Schreiber, Sidney, B.S.	*Illinois*
Schwied, Samuel, B.S.	*Illinois*
Seid, Benjamin, B.S.	*Illinois*
Shafton, Arthur Louis, B.S., B.A.	*Illinois*
Shapiro, Fred, B.S.	*California*
Shellow, Harold, B.S.	*Illinois*
Shuger, Harry, B.S.	*Illinois*
Silverman, Harold Edward	*Illinois*
Simon, David Charles, B.S.	*Illinois*
Smith, Charles Otis, A.B., B.S.	*Illinois*
Smith, Kenneth John, B.S.	*Illinois*
Smith, Robert Harlie, B.S.	*Illinois*
Sokolowski, Felix Walter	*Illinois*
Solomon, Sam, Jr., B.S.	*Illinois*
Staley, Percy Alfred, B.S.	*Texas*
Stearns, Alexander Louis, B.S.	*Illinois*
Starcevich, Paul Joseph	*Illinois*
Stone, Fred D.	*Illinois*
Stuart, Carroll W., D.D.S., B.S.	*Illinois*
Stuttle, Fred Louis, B.S.	*Illinois*
Tait, Arthur Alfred, A.B., B.S.	*Illinois*
Tobin, Walter William, B.S.	*Illinois*
Toman, Andrew John, B.S.	*Illinois*
Vinnedge, Kenneth Houston, B.S.	*Illinois*
Wanger, Halvard, B.S.	*Illinois*
Washburne, Annette Clarke, Ph.B.	*Illinois*
Weiss, George Seymour, B.S.	*Illinois*
Wien, Norman Arnold, B.S.	*Illinois*
Wolf, Henry H., B.S.	*Illinois*
Wollgast, George F.	*Illinois*
Yonan, Marshall	*Illinois*
Young, Louis Clide	*Illinois*

THIRD YEAR CLASS, 1928-29

Abbott, Orville L., B.S.	*Illinois*
Alcorn, Kent Archibald	*Illinois*
Allison, Robert Howard	*Illinois*
Anthony, Abel Cornelius	*British Guiana, S. A.*
Arenz, Dorothy, B.S.	*Illinois*
Banen, David Merton, B.S.	*Illinois*
Barton, Walter Earl, B.S.	*Illinois*
Bass, Jewell Lee, B.S.	*Illinois*
Best, Albert Alan	*Illinois*

Brinley, Paul Verco, B.S.	*Illinois*
Brown, Martin Van	*Illinois*
Burns, Behle Basil	*Utah*
Burton, William Tracy, B.A.	*Utah*
Busby, Eugene Spencer, B.S.	*Mississippi*
Clark, Alvin Howard, B.S.	*Illinois*
Dreyer, Irving, B.S.	*Illinois*
Eggers, Henry William, B.S.	*Indiana*
Eisenberg, Benjamin	*Illinois*
Eisenstein, Milton William, B.S.	*Illinois*
Epstein Nathan, B.S.	*Illinois*
Falstein, Eugene I, B.S.	*Illinois*
Finder, Jerome Gordon, B.A., B.S.	*Illinois*
Finkelstein, Charles, B.S.	*Illinois*
Francona, Nicholas T., B.S.	*Illinois*
Frazin, Bernard, B.S.	*Illinois*
Gamburg, Leo	*Illinois*
Gay, Elmer Deloss, B.S.	*Illinois*
Gier, Jacob Benjamin, B.S.	*Illinois*
Giltner, Otis Beryl, B.S.	*Illinois*
Glass, William Everett, B.S.	*Illinois*
Graham, James Edward, B.S.	*Illinois*
Greenstein, Harry, B.S.	*Illinois*
Harris, Freeman Curtis	*Illinois*
Hemphill, Robert Begg	*Illinois*
Hendrickson, Herman Stewart, B.S.	*Wisconsin*
Hick, Ford Kimmel, B.S.	*Illinois*
Hughes, Marc Jacob	*Iowa*
Hurt, Albert Dabney, B.S.	*Mississippi*
Ingrish, George Albert, B.S.	*Illinois*
Jamison, Dan DeWitt	*Illinois*
Janofsky, Joseph, B.S.	*Illinois*
Jenkins, Albert H., B.S.	*Illinois*
Johnson, Esther Concordia, B.S.	*Illinois*
Johnston, Kenneth P., B.S.	*Illinois*
Joseph, Louis David	*Illinois*
Kaiserman, Frank, B.S.	*Illinois*
Kaufman, Sol Stein, B.A., B.S.	*Mississippi*
Kaveney, Irving Edward, B.S.	*South Dakota*
Knapp, Robert Dana, B.S.	*Montana*
Knight, Lyle Burnside, B.A.	*South Dakota*
Koenigsberg, Noah Meyer, B.S.	*Illinois*
Kraines, Samuel H.	*Illinois*
Lando, David Herman, B.S.	*Wisconsin*
Lazere, Albert Herman, B.S.	*Iowa*
Leader, Leonard Owen B.S.	*Illinois*
Limarzi, Louis Robert, B.S.	*Illinois*
Long, Hugo	*Illinois*
Lustgarten, Earl Matthew, A.B.	*Illinois*

McCool, Dick Cauthen, Jr., B.S.	*Mississippi*
McGoldrick, Lynn Pope	*Montana*
McMillan, Robert Glen	*Illinois*
Mack, Charles Andrew, B.S.	*West Virginia*
Mason, Wilford John, B.A.	*Utah*
Mearns, Jack Greene, A.B., B.S.	*Michigan*
Mesirow, Sidney David, B.S.	*Illinois*
Metzel, Charles Himes, A.B.	*Wisconsin*
Miller, William Edward, A.B., B.S.	*Illinois*
Moreland, James Wilbur	*North Dakota*
Murphy, Laurence Joseph, Jr.	*Illinois*
Murphy, Virgil LeRoy	*Illinois*
Muus, O. Harold, A.B., B.S.	*North Dakota*
Ossman, Julian Anthony, B.S.	*Illinois*
Ostrofsky, Peter, B.S.	*Illinois*
Phillips, Louis	*Illinois*
Piszkiewicz, Frank Joseph, B.S.	*Illinois*
Rice, Alfred George, B.S.	*Illinois*
Rife, Dwight William, B.S.	*Illinois*
Riser, Roy Otis, B.S.	*Illinois*
Robbin, Nahum L.	*Illinois*
Rodgers, James J., B.S.	*Tennessee*
Rodin, Robert, B.S.	*Illinois*
Ross, Perry W., Ph.G.	*Illinois*
Rulney, Max, B.S.	*Illinois*
Sacks, Herbert, B.S.	*Illinois*
Seifert, Martin Henry, Ph.G., B.S.	*Illinois*
Seymour, Guy Emil, A.B., B.S.	*Illinois*
Shabat, Louis Willard, B.S.	*Illinois*
Shapiro, Samuel, B.S.	*Illinois*
Shropshear, George Jr.	*Illinois*
Siegal, Henry Abraham, B.S.	*Illinois*
Siegel, Irving, B.S.	*Illinois*
Simon, Abraham, B.S.	*Illinois*
Singer, Jacob D., B.S.	*Illinois*
Skorodin, Bernard	*Illinois*
Smith, William Roan	*Illinois*
Steigmann, Frederick, B.S.	*Illinois*
Steinberg, D. Louis, B.S.	*Illinois*
Stevens, John Wayne, B.S.	*Illinois*
Stickley, William Thomas, B.S.	*Illinois*
Stroh, James Eugene Simmer, B.S.	*Washington*
Sullivan, Clifford, Patrick, B.S.	*Illinois*
Taylor, James Sherwood, B.S.	*Illinois*
Thayer, Janet Campbell, B.S.	*Illinois*
Thorek, Philip, B.S.	*Illinois*
Tschetter, Joseph S.	*South Dakota*
Twitchell, Benjamin Edward, A.B., B.S.	*Illinois*
Twohey, Francis James, B.S.	*Illinois*

Urist, Martin	*Illinois*
Varzino, Louis Stephen, B.S.	*Illinois*
Vernon, George Heywood, Jr., A.B., B.S.,	*Illinois*
Vogel, Henry Eugene, B.A.	*Wisconsin*
Wagner, David, B.A.	*Wisconsin*
Weinberg, Charles Morse, B.S.	*Illinois*
Weininger, Benjamin, B.S.	*Illinois*
Whalen, Charles Peter, B.S.	*Illinois*
Wolinsky, Irving, B.S.	*Illinois*
Wynekoop, Waldo Waite, B.S.	*Illinois*
Young, Morris L., B.S.	*Illinois*
Zatz, Leo, B.S.	*Illinois*

SECOND YEAR CLASS, 1928-29

Akina, Henry	*Hawaii*
Ambrose, Stephen Hedges	*Illinois*
Aries, Leon Judah	*Illinois*
Baer, Walter Hilmar	*Illinois*
Baker, Ranson Bright	*Illinois*
Barnett, Andrew	*Illinois*
Bell, Herbert Joseph	*Illinois*
Benda, Barbara Florence	*Illinois*
Benensohn, Solomon J.	*Illinois*
Berger, Louis	*Illinois*
Bloom, Charles Robert	*Illinois*
Brezina, Helen Clara	*Illinois*
Brown, Walter Scott	*Alabama*
Burstein, Harry	*Wisconsin*
Carow, Theodore Moffett	*Illinois*
Carter, Clifford Lewis	*Illinois*
Cerny, Alvin Jay	*Illinois*
Chapman, Henry I.	*Illinois*
Cohen, Bernard M.	*Illinois*
Cohen, David	*Illinois*
Cress, Henry Noah	*Illinois*
Croell, Levia Edward	*Illinois*
David, Tanas George	*Palestine*
Davis, James Wesley	*Illinois*
Davis, Landis Young	*Illinois*
Denenholz, Edward Jack	*Illinois*
Dietrich, Edwin Frederick	*Illinois*
Dorman, Henry Pickett, B.S., M.S., Ph.D.	*Illinois*
Eddy, Corinne Schenck	*Indiana*
Edinburg, Jacob	*Illinois*
Effron, David	*Illinois*
Erich, John B.	*Illinois*
Evans, Edward Graham	*Illinois*
Felts, Clifton	*Illinois*

Fishel, Glenn Francis	*Illinois*
Fox, William	*Illinois*
Galloway, Andrew	*Illinois*
Garland, John Courier	*Illinois*
Gillesby, William James, S.B.	*Illinois*
Glenner, Robert Joseph	*Illinois*
Groppe, Harry Robert Charles	*Illinois*
Gulbrandsen, Lars Freman	*Illinois*
Hansen, Stephen John	*Illinois*
Harter, Irving Maurice	*Illinois*
Hartley, Theodore	*Illinois*
Herman, Alfred Helmar	*Illinois*
Horwitz, Bernard	*Illinois*
Hudson, Theodore R., A.B.	*Illinois*
Hyman, Samuel Alvin	*Illinois*
Jacobs, Howard Matthew	*Illinois*
Johnson, Richard Paul	*Illinois*
Kaplan, Hyman Joseph, A.B.	*Illinois*
Kaplan, Morris Aaron	*Illinois*
Kaplan, Philip	*Illinois*
Kaufman, Charles Herman	*Illinois*
Kaufman, Irving	*Illinois*
Kenward, Roy L.	*Illinois*
Klein, Reuben	*Illinois*
Krakow, Clarence Samuel	*Illinois*
Kuehl, Frederick O.	*Wisconsin*
Kweder, David James	*Illinois*
Larson, Wilbur Mayo	*Illinois*
Lerner, David	*Illinois*
Lipow, Eugene George, Ph.G.	*Illinois*
Loseff, Samuel Alvin	*Illinois*
Merritt, James Francis	*Illinois*
Neeseman, Arthur Chris	*Illinois*
Newell, Robert Henry	*Illinois*
Nye, William A.	*Illinois*
Oakes, Harold Forest	*Illinois*
Olsen, Roger Ralph	*Illinois*
Ponzer, Ernest	*Illinois*
Poticha, Joseph	*Illinois*
Price, Sydney	*Illinois*
Quillman, Frank L.	*Illinois*
Rafferty, Theodore Newell	*Illinois*
Ragins, Alex Benjamin	*Illinois*
Reznick, Samuel	*Illinois*
Ritt, Arnold Elmer Frederick	*Illinois*
Riskind, Lester	*Illinois*
Ross, Edward	*Illinois*
Rossiter, Lewis James	*Illinois*
Rubin, Harold Xavian	*Illinois*

Rue, Doran Therman, A.B.	*Illinois*
Saberman, Meyer Isadore	*Illinois*
Sandberg, Ivan M.	*Illinois*
Sanfilippo, Paul D.	*Illinois*
Schell, Milton Charles	*Illinois*
Schindler, John Andrew	*Illinois*
Schlegel, Karl William	*Illinois*
Schnepp, Kenneth H.	*Illinois*
Schutz, William Jack	*Illinois*
Shapiro, Louis Bernard	*Illinois*
Shaw, Maurice Maceo, A.B.	*Illinois*
Silverstone, Eugene Henry, B.S., Ph.C.	*Illinois*
Simons, Joseph	*Illinois*
Smith, Francis Kirk	*Illinois*
Smith, Russell Lee	*Illinois*
Sommer, Conrad Samuel	*Illinois*
Spiegel, Maurice Joseph	*Illinois*
Stark, Walter Alfred, A.B.	*Illinois*
Strohl, Everett Lee	*Illinois*
Swanson, Paul Edgar	*Illinois*
Taft, Emanuel	*Illinois*
Taylor, Marion Meredith, B.E.	*Illinois*
Terman, Louis Arlington	*Illinois*
Thelen, Leo Leonard	*Illinois*
VanDerAue, Otto Ernest	*Illinois*
Wachowski, Theodore John	*Illinois*
Waters, Carl Fremont	*Illinois*
Welker, Dorothy Hutchinson, A.B.	*Illinois*
Wente, Constantin Frederick	*Illinois*
Wilson, Arthur D.	*Illinois*
Wixted, John Francis, A.B.	*Massachusetts*
Zeitlin, Howard	*Illinois*

Unclassified

Singer, Charlotte H., B.S.	*Illinois*

FIRST YEAR CLASS, 1928-29

Appelman, Benjamin	*Illinois*
Aronofsky, Edward, Ph.G.	*Illinois*
Baird, Lester White	*Illinois*
Becker, Harry Gregory	*Illinois*
Bennett, David Andrew	*Illinois*
Berman, Harry	*Illinois*
Bernell, Edward Charles	*Illinois*
Blackwell, Robert R.	*Illinois*
Bretz, William Edward	*Illinois*
Brooks, George Freeman	*Illinois*
Bucek, Oscar L.	*Illinois*
Budd, John Phillip	*Illinois*

Buky, Fannie R.	*Illinois*
Carr, Herman John Edward	*Iowa*
Chaffer, Wayne D.	*Illinois*
Chobot, Jerry	*Illinois*
Collins, Robert Bruce	*Illinois*
Conley, Thomas Joseph	*Illinois*
Copeland, William Jackson, A.B.	*Massachusetts*
Cravens, James Ebert	*Illinois*
Diesner, Howard George	*Illinois*
Dine, William Clay, Jr.	*Illinois*
Ditkowsky, Samuel Irwin	*Illinois*
Dixon, Claire Maurice	*Illinois*
Domke, Delmar Eichler	*Illinois*
Donovan, Raymond Flowers	*Illinois*
Dorf, Jack Louis	*Illinois*
Du Mont, Murray Sayle, Ph.G.	*Illinois*
Dunn, Max M.	*Illinois*
Edelman, Maurice Irwin	*Illinois*
Edwards, Gilbert Harold, A.B.	*Illinois*
Endres, Fred Carl, B.S.	*Illinois*
Ennis, Arthur Loyal	*Illinois*
Erenburg, Leon Marcus	*Illinois*
Feiman, Daniel	*Illinois*
Feinerman, Albert Hyman	*Illinois*
Finney, Howard Albert	*Illinois*
Firth, John Oscar, B.S.	*Illinois*
Fleischli, George Herman	*Illinois*
Galin, Jack	*Illinois*
Geymer, George C.	*Illinois*
Gillen, Thomas A.	*Illinois*
Gilmore, John Hamilton	*Illinois*
Goldenberg, George	*Illinois*
Goodman, Ephraim Frank	*Illinois*
Greenburg, Leo	*Illinois*
Gustafson, Carl Julius	*Illinois*
Handelman, Milton	*Illinois*
Harrison, Jacob Sidney	*Illinois*
Hecht, Rudolph	*Illinois*
Henner, Robert Israel	*Illinois*
Hickerson, Robert Grantham	*Illinois*
Highman, Benjamin, A.A.	*Illinois*
Holleman, William Wallance	*Illinois*
Holmgren, Everett C.	*Illinois*
Hoover, Harold Mark	*Illinois*
Hubata, Joseph Allan, A.B.	*Illinois*
Hurwitz, Paul	*Illinois*
Irvin, Runyon Hungate	*Illinois*
Jabczynski, Hilbert Albin	*Illinois*
Jaffe, Jack H.	*Illinois*

Jaffray, David Smeaton	*Illinois*
Jones, Warren Fon	*Kansas*
Kanter, Charles	*Illinois*
Kazakevich, John Joseph	*Illinois*
Kelly, Clarence Francis	*Illinois*
King, Oren, E.D.B.	*Illinois*
Kocour, Elmer Joseph	*Illinois*
Kominik, Emanuel Aloysius Joseph	*Illinois*
Koppa, Thaddeus Marion	*Illinois*
Kotler, Harry, A.A.	*Illinois*
Layman, John Albert, A.B.	*Kentucky*
Leavitt, Samuel Solomon	*Illinois*
Lederman, Irving	*Illinois*
Leff, Abraham	*Illinois*
Legier, John Alfred	*Illinois*
Lemberg, David Alvin	*Illinois*
Lerner, David	*Illinois*
Lerner, David Leonard	*Illinois*
Levine, Arthur Harry	*Illinois*
Lichtenstein, Ben William	*Illinois*
Lome, Daniel	*Illinois*
Love, Loren Lennoth	*Illinois*
McIntosh, James Stanley	*Illinois*
McQueen, Max Boyd	*Illinois*
Masor, Nathan Allen	*Illinois*
Mauzey, Armand Jean, B.S.	*Illinois*
Meyer, Alfred Karl	*Iowa*
Miller, David Sidney	*Illinois*
Miller, Harry Dudley, Jr.	*Illinois*
Miller, Joseph Samuel	*Illinois*
Montgomery, Burtis Edgar, B.S.	*Illinois*
Moskowitz, Milton Mitchell	*Illinois*
Movius, Alfred Henry, Jr.	*Illinois*
Nereim, Theodore Julius	*Illinois*
Nimsovitz, Isadore Maurice	*Illinois*
O'Meara, Maurice P.	*Illinois*
Orloff, Morris Phillip	*Illinois*
Payne, John Joseph	*Illinois*
Pohovey, Rose	*Illinois*
Rettberg, William Anton Henry	*Illinois*
Reynolds, John Todd	*Illinois*
Rezek, George Henry, A.B.	*Illinois*
Rice, Paul Montel	*Illinois*
Richmond, Samuel Irving	*Illinois*
Ronstrom, George	*Illinois*
Rosenthal, Martin	*Illinois*
Ryan, Harry E.	*Illinois*
Sayle, William Frank	*Illinois*
Schneider, Ambrose Daniel	*Illinois*

Schumacher, Arthur Henry	*Illinois*
Schwartz, Arthur	*Illinois*
Seidman, Edward Edgar, Ph.G.	*Illinois*
Seron, Vaheh M., S.B.	*Illinois*
Seymour, Fred William	*Illinois*
Shallenberger, Paul Lawrence	*Illinois*
Shapiro, Hilerd J.	*Illinois*
Shuger, Michael Hershel	*Illinois*
Shure, Norman Morison	*Illinois*
Sinay, Max	*Illinois*
Stagman, Joseph	*Illinois*
Steck, Isadore E.	*Illinois*
Steiner, Louis Mark	*Illinois*
Stellecht, Adolphus Randolph	*Illinois*
Sugar, Carl	*Illinois*
Tate, Cecil Earl	*Illinois*
Thacker, Edgar Abney, A.B.	*Illinois*
Turowetzky, Isadore	*Illinois*
Udesky, Isadore C.	*Illinois*
Urban, Frank Rudolph	*Illinois*
Varney, Harley Roosevelt	*Illinois*
Wall, Jack William	*Illinois*
Wallheiser, Myron La Verne	*Illinois*
Walton, William Hester, Ph.B.	*Illinois*
Washington, John Campbell	*Illinois*
Weinberg, Louis Sam	*Illinois*
Weiss, Morris	*Illinois*
Werner, Merrill John	*Illinois*
Whittaker, Lorin Dixon, A.B.	*Illinois*
Wilson, Finis Ellsworth	*Illinois*
Wilson, Robert Bruce	*Illinois*
Wuesteman, Adelbert Earnest, B.S.	*Illinois*

UNIVERSITY OF ILLINOIS
THE GRADUATE SCHOOL

Graduate Courses in Medicine

DEPARTMENTS OF

Anatomy; Dermatology; Laryngology, Rhinology and Otology; Medicine, Pediatrics and Bio-Physics; Obstetrics and Gynecology; Ophthalmology; Pathology and Bacteriology; Pharmacology; Physiology and Physiological Chemistry; Surgery.

Announcement for
Summer Quarter of 1929, June 7- August 30
and Session of 1929-30
1929

THE GRADUATE SCHOOL

THE EXECUTIVE FACULTY[1]

David Kinley, Ph.D., LL.D., President of the University

Arthur Hill Daniels, Ph.D., *Professor of Philosophy and Dean of Graduate School*
Roger Adams, Ph.D., *Professor of Organic Chemistry*
Ernest Bernbaum, Ph.D., *Professor of English*
William Leonidas Burlison, Ph.D., *Professor of Crop Production*
Edward Herbert Cameron, Ph.D., *Professor of Educational Psychology*
Arthur Byron Coble, Ph.D., *Professor of Mathematics*
Maxwell Jay Dorsey, Ph.D., *Professor of Pomology*
Herbert Fisher Moore, M.M.E., D.Sc., *Research Professor of Engineering Materials*
Rexford Newcomb, A.M., M. Arch., A.I.A., *Professor of the History of Architecture*
William Abbott Oldfather, Ph.D., *Professor of Classics*
William Spence Robertson, Ph.D., *Professor of History*
Henry Perly Rusk, M.S., *Professor of Beef Cattle Husbandry*
Fred Wilbur Tanner, Ph.D., *Associate Professor of Bacteriology*
Arthur Cutts Willard, B.S., *Professor of Heating and Ventilation*

STANDING COMMITTEE ON GRADUATE WORK IN MEDICINE AND DENTISTRY

David John Davis, Ph.D., M.D., *Chairman*
Frederick Bogue Noyes, B.S., D.D.S., D.Sc.
Hugh Alister McGuigan, Ph.D., M.D.
Carl Arthur Hedblom, M.D., Ph.D.
William Henry Welker, Ph.D., *Secretary*

THE TEACHING FACULTY[2]

1929-30

David John Davis, Ph.D., M.D., *Professor of Pathology and Bacteriology and Head of Department, and Director of Graduate Work in Medicine*
Hugh Alister McGuigan, Ph.D., M.D., *Professor of Pharmacology, Materia Medica and Therapeutics and Head of Department*
William Henry Welker, Ph.D., *Professor of Physiological Chemistry*
William F. Petersen, M.D., *Professor of Pathology and Bacteriology*

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[1] The administration of the Graduate School is conducted by the Executive Faculty, appointed from year to year by the President on nomination of various departments and recommendations of the Dean of the Graduate School.

[2] The Teaching Faculty includes all those who at any time give courses of strictly graduate character. Such courses are accepted for major credit and are numbered one hundred and upwards. For the present such courses are offered by the above faculty.

Otto Frederick Kampmeier, Ph.D., M.D., *Professor of Anatomy and Head of Department*

Olaf Bergeim, Ph.D., *Associate Professor of Physiological Chemistry*

Charles Spencer Williamson, M.D., *Professor of Medicine and Head of Department*

Norval Pierce, M.D., *Professor of Laryngology, Rhinology and Otology and Head of Department*

Julius Hayes Hess, M.D., *Professor of Pediatrics*

Frances Eugene Senear, M.D., *Professor of Dermatology and Head of Department*

Carl Arthur Hedblom, M.D., Ph.D., *Professor of Surgery and Head of Department*

Albert Bachem, Ph.D., *Professor of Bio-Physics*

Lloyd Arnold, M.D., *Professor of Bacteriology and Preventive Medicine*

Robert M. Oslund, Ph.D., *Associate Professor of Physiology*

Walter John Richard Camp, M.D., Ph.D., *Assistant Professor of Pharmacology and Therapeutics*

GRADUATE WORK IN MEDICINE

ADMISSION

Admission to the Graduate School may be granted to graduates of institutions whose requirements for the bachelor's degree are substantially equivalent to those of the University of Illinois, and to applicants from other institutions approved by the Executive Faculty, as hereinafter provided. *Admission to the Graduate School does not, however, imply admission to candidacy for an advanced degree, and gives no right or claim to be so admitted. Such candidacy is determined by the faculty after the student has demonstrated by his work here, for from two to five months, that he has ability to do major work of graduate character. A mere accumulation of "credits" or "grades" is not sufficient.*

Admission to graduate courses may be granted only to those who have had the requisite undergraduate work in those courses or departments. But a student of mature age who satisfies the Director and the department concerned of his ability to pursue graduate work in a given line may be enrolled in particular graduate courses, without reference to a degree, and permitted to carry on such study or investigation under the direction of a department of the University as the department shall recommend and the Dean approve.

Application blanks for admission may be secured from the Secretary of the Committee on Graduate Work in Medicine. Every applicant must submit with his application for admission an official transcript of his college record.

REGISTRATION AND PROGRAM OF STUDY

The following regulations concerning registration and program of studies are laid out primarily for first-year students. Second-year and third-year graduate students fill out their programs irrespective of the unit value of courses, according to their needs, under the advice of their instructors.

Registration.—Each graduate student must register at the beginning of each semester.

The registration of a new student may be accepted at any time provided the student is prepared to take up courses actually under way. Credit towards the fulfillment of the residence requirement dates, however, from the time of registration and not from the beginning of the semester or year in which the student enters. Registration will not be permitted later in the year than April 1, except in the case of students who expect to continue through the summer session, or are returning to complete a year's work which has been interrupted by unavoidable circumstances.

The first registration, or that on entrance, is permitted only after the student's application for admission to the Graduate School, setting forth his educational attainments, has been duly approved.

Seniors and Graduate Study.—If at the beginning of the second semester of his senior year a student, who has been in residence at least one year, is within five hours of a bachelor's degree, he may be permitted to register for courses which may count for residence for a master's degree; provided his program does not require more than twelve formal class, lecture, or laboratory exercises a week, and is approved by the Dean at the time of registration.

Failures.—A graduate student who fails in any course in his major subject cannot secure his degree in the same year in which the failure occurred. No condition examinations are given graduate students.

Students on the Staff.—Assistants and others on the University staff who undertake to do graduate work are permitted to take an amount of work determined by the terms of their employment. Such a student, if required by his engagements to teach more than five classes a week or to have laboratory work or supervision exceeding ten hours a week, may not receive his master's degree at the end of one year, nor his doctor's degree at the end of three.

Residence and Work Done Elsewhere.—Continuous residence and study are required of all members of the Graduate School, unless they are granted leave of absence by the Director, upon recommendation of the professor in charge of their work, for the purpose of carrying on elsewhere studies or investigations in the line of work for their degrees.

Members of the staff who have done graduate work in approved institutions elsewhere may secure credit not to exceed four units towards the master's degree by passing examinations in that work. They may complete the work for the degree by securing at least four units more while registered in the Graduate School for not less than one academic year.

Withdrawal.—If after registration a graduate student wishes to withdraw from any course or to add other work, he must first secure the necessary papers from the Director's office. If he wishes to withdraw from the University he must get clearance papers at the Director's office.

DEGREES

The Degree of Master of Science

Character of Master's Degree.—The master's degree conferred depends upon the character of the bachelor's degree. The usual practice is that A.M. shall follow A.B., and that M.S., shall follow B.S. However, this practice may be departed from in cases where the undergraduate course of study was of a kind for which some reputable institutions in this country give A.B., while others give B.S.

Amount of Work Required.—Candidates for the degree of Master of Arts or Master of Science are required to do at least one full year's work in residence, including a thesis. By this is meant from four to five unit courses each semester, or their equivalent. A unit course is one which requires ten hours of time a week through one semester, or fifteen hours of time a week through the summer quarter of twelve weeks, irrespective of the mode of distribution of that time in class work, laboratory work, and private study. Four such courses or their equivalent constitute a full *minimum* program for one semester, and eight such courses, or their equivalent, constitute the *minimum formal* year's work accepted for a master's degree. Only first-rate students are permitted to secure a degree with this minimum program.

Unless otherwise permitted, every student must take each semester at least one course open to graduate students only (courses numbered 100 and upwards).

In the first year of his graduate study each student is required to attend a minimum of four formal class, lecture, or laboratory exercises a week. In no case is he permitted during his course to attend more than twelve a week, without permission.

Grades.—Students' work is graded in five classes, A, B, C, D, and E. The last indicates a failure. D indicates unsatisfactory, through passable, work.

A student who receives two units of a grade below B during his first year of graduate work may not complete the first year of residence by carrying the minimum program of eight units for the master's degree. Three units of a grade below B disqualify a student as a candidate for a degree.

A failure or absence from examination in any course may prevent the conferring of the degree; and, as already indicated, failure in any course in the major field precludes the conferring of the degree in the same year.

Majors and Minors.—A candidate for a master's degree may do all his work in one subject, or he may select a major and one minor, or a major and two minors. A major or minor denotes the field of knowledge of a department, or such part thereof as constitutes a separate and independent division of that field. For a master's degree a major is at least half the work, or a minimum of four units, for one year. Less than one unit may not be counted as satisfying the requirements of a minor without the approval of the department concerned.

Foreign Language.—The ability to use one or more of the modern languages ordinarily studied in the undergraduate curriculum is expected of all candidates for the master's degree, and in some lines of study is required. On this matter students should consult the heads of the departments in which their major subjects lie.

Master's Thesis.—Each candidate for a master's degree is required to present a thesis on some subject approved by the professor in charge of his major work and the Executive Faculty of the Graduate School. Such approval, except in the case of students working for master's degrees in summer sessions only, must be secured not later than the end of the sixth week of the year of residence. The requirement of a thesis may be waived, however, upon the recommendation of the head of the department in which the student is doing his major work and the approval of the Director, provided application to waive the thesis is made at the time for announcing thesis subjects. A student excused from writing a thesis must replace it with additional courses of instruction.

No one will be excused from writing a thesis unless one-half of his program of studies consists of courses numbered 100 and upwards.

The thesis required from a candidate for a master's degree ordinarily will demand one-fourth of the student's time and may not exceed one-third of it. The thesis must be typewritten, on "thesis-paper,"[1] and the title page must be printed. The thesis in its final form, together with a certificate of approval by the proper officer, must be sent by the professor in charge to the Dean's office at least two weeks before the date on which the degree is to be conferred. No article prepared for another use, or previously published, will be accepted as a thesis.

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[1] No other will be accepted by the Dean. "Instructions for the Preparation of Theses" may be obtained at the Secretary's Office, Room 309, Research Laboratory and Library Building.

Under proper conditions a student may be permitted to complete the last fourth of his work, if devoted to his thesis, under leave of absence for a period not to exceed the equivalent of two semesters. To get such permission the student must have secured proper credit for at least six units; must petition for the privilege; must submit to the Dean an outline of the proposed investigation, approved by the head of his major department; and must submit satisfactory evidence that adequate facilities are available to him at the place where he intends to do the proposed work. Approval on all these points must be obtained one collegiate year before the thesis is due. Immediately following approval the student must register and pay an incidental fee of $20.00.

Applications for Degrees.—Each candidate for the degree of Master of Arts or Master of Science shall file an application for the degree on a blank provided for the purpose, to be had at the Secretary's office.

The Degree of Doctor of Philosophy

Major and Minor Subjects.—A member of the Graduate School who desires to become a candidate for the degree of Doctor of Philosophy is required to pursue a major subject in the department in which his research lies. He is also required to choose one minor subject, or he may choose two. If one minor only is chosen it must be taken in a department of study other than that of the major, and credit for it may be earned by work representing not less than four units, or one-sixth of the total residence required for the doctorate. If two minors are chosen, one must be a subject closely related to the major. With the approval of the adviser it may be a division of the major field of study. If the second minor is outside the department of major study, it may be satisfied by work representing not less than two units or one-fourth of a year of residence.

Except by special permission of the Dean the preliminary examination in major and minor subjects may not be taken until the minor work has been done.

Method of Computing Residence.—Credit for a full year of graduate work means that the student has during that time devoted all his working time and energy to study of a graduate grade. After the first year of residence credit is not recorded in units, and there is no fixed correspondence between credit and course as in undergraduate work. Thus it is possible for a second-year student to devote all his time to one course and his research; and for a third-year student to devote all his time to his research work alone.

Period of Study.—The *minimum* period of study required for securing the degree of Doctor of Philosophy is three years, during which the student is required to devote all his working time to his studies. All three years must be spent in residence at some accredited educational institution, and either the first two or the last one of the three must be spent at the University of Illinois. The degree is conferred, however, not for residence during a certain period, but for scholarly attainments and power of investigation, as proved by thesis and examinations.

Work Done in Other Universities.—Credit for graduate work done in other universities is not "transferred." However, it may be accepted on examination as equivalent to resident work at the University of Illinois, provided the institution in which it was done is of high standing.

EXAMINATIONS

Preliminary.—A. In major and minors.—Toward the end of his second year of study, or by special permission, at the beginning of his third year, the candidate for the degree must submit to a preliminary examination, in order to determine whether he will be accepted as a candidate for the degree in the following year. This examination is intended to test the student's knowledge of the fields of his major and minor subjects of study only. It is partly oral, and may be wholly so.

The student will not be admitted to his preliminary examination until the faculty is satisfied that he has finished substantially the equivalent of two years' graduate work. He must do a full year's graduate work between his preliminary examination and the completion of his work for the doctorate.

B. In Languages.—The candidate will be required to demonstrate his ability to read French and German and other languages needed in his work. This test of proficiency in the use of French and German must be passed before the student is admitted to the preliminary examination in major and minor subjects.

Final Examination.—At least two weeks before the time when the degree is conferred, the candidate must submit to a final examination, given by a committee appointed by the Dean. This examination is primarily on the research work of the student, as embodied in his thesis, but is not confined to that. It extends to the whole field of study of the candidate. It will not be confined to the courses which the candidate has attended in the University of Illinois only, if he has done part of the work elsewhere; nor even to the field covered by the courses, specifically taken in this or other universities; but will be so conducted as to determine whether the candidate has a satisfactory grasp of his major subject as a whole, and a general acquaintance with the fields of knowledge represented by his course of study.

The final examination may not be divided. The examination must be taken all at one time though it requires several sessions.

If after having passed his preliminary examination, he fails in the third year of his study to meet the expectations of the professors in charge of his work, or in any way fails to maintain the standard of scholarship and power of research expected of him, he may be refused admission to the final examination.

Other Examinations.—Before the candidate is admitted to the final examination and the defense of his thesis, he may be required to take any other examination, oral or written, that is thought proper by the various departments in which he has studied.

The above examinations are in addition to those in the courses for which the student is registered. These must be taken at times for which they are set in the examination schedule.

Thesis.—The power of independent research must be shown by the production of a thesis on some topic connected with the major subject of study. The candidate is expected to defend his thesis or dissertation before the members of the faculty, or as many of them as may wish to question him about it, in connection with his final examination.

The subject of the thesis should be chosen not later than the end of the second year of residence and must be submitted for formal approval by the faculty not later than six weeks from the beginning of his third year of residence.

A typewritten copy of the complete thesis, *on thesis paper*,[1] and in final form must be deposited in the office of the Dean for presentation to the examining committee not later than two weeks prior to the final examination, and not less than four weeks before the time when the degree is conferred. At the same time, the candidate must deposit with the Dean a manuscript of the essential part, or an abstract, or a digest of his thesis, in condition for publication at a cost not to exceed seventy-five dollars ($75). The manuscript must be sufficient to show the method followed, the evidence used and the conclusions reached in the investigation, and must bear the approval of the department and the Executive Faculty of the Graduate School.

The candidate must pay to the Comptroller before graduation the sum of seventy-five dollars ($75) out of which the University will print at least one hundred copies of this manuscript for circulation by the University, unless the thesis entire or in abbreviated form is published by the author or is accepted for publication by a standard journal or publisher within a year from the date of graduation. In the latter event, and after one hundred copies have been presented to the University by the writer, the cash deposit shall be returned to him.

The typewritten and printed forms of the thesis must comply with the regulations given in "instructions for the preparation of masters' and doctors' theses," copies of which may be obtained at the Secretary's office.

GRADUATE SCHOLARSHIPS AND FELLOWSHIPS

A number of scholarships and fellowships have been established by the Trustees of the University. To first-year graduate students of ability and promise there are open a number of scholarships with a stipend of $300 each and freedom from tuition, incidental and laboratory fees.[2] To second-year and third-year graduate students, that is, those who have had one or two years of graduate study, there are open fellowships with stipends of $400 and $500, with freedom from the above-mentioned fees. The larger stipends are given only to students who are expectd to take their degrees within the year. Each holder of a fellowship or scholarship must pay the matriculation fee of ten dollars, unless he holds a first degree from the University of Illinois, and also the diploma fee of ten dollars on receiving his diploma.

Candidates for these scholarships and fellowships must be graduates of the University of Illinois or colleges or universities having equivalent requirements for bachelors' degrees.

Application must be made on blanks to be obtained from the Dean of the Graduate School. These application forms should be sent to the Dean of the Graduate School as early as possible in February of the academic year preceding that for which the fellowship is desired. No application will be considered if received later than March first, until after April fifteenth, the date when appointees from the first list of applicants must accept or refuse their appointments.

Persons appointed are notified on April first and must send the Secretary of the Board of Trustees notice of their acceptance or refusal by April fifteenth and

must agree that, if accepted, the appointment will not be resigned to take a similar one in any other institution during the year for which it is awarded.

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[1] No other will be accepted by the Dean.

[2] Up to a certain amount.

Nominations to fellowships are made on the grounds of worthiness of character, scholastic attainments, and promise of success in the principal line of study or research to which the candidate proposes to devote himself. Scholarships and fellowships are not given to candidates who are over thirty years of age at the time when the appointment is to be made.

An appointment as honorary fellow, without stipend, may be made as specified for paid fellowships in the case of one who has shown distinguished merit in his work.

Fees and Expenses.—Except as noted below, graduate students in medicine pay fees as follows:

Matriculation fee	$10.00
Incidental fee (summer quarter)	20.00
Students not residents of Illinois pay an incidental fee of	30.00
Incidental fee (semester)	25.00
Students not residents of Illinois pay each semester an incidental fee of	37.50
Laboratory deposit (each quarter or semester)	15.00
Diploma fee	10.00

All Graduate students who have not matriculated as undergraduates at the University of Illinois pay the matriculation fee on entrance.

All graduate students pay the diploma fee on being recommended for their degrees.

No tuition or incidental fee is charged for graduate courses to members of the corps of instruction, or of the staffs of the scientific bureaus or experiment stations who are appointed by the Board of Trustees, nor for undergraduate courses on their study-lists if approved by the heads of the departments and by the Dean of the School as necessary or desirable for the proper completion of the work for the degree.

Each student working in laboratories is required to make a deposit of fifteen dollars to pay for chemicals and apparatus used and for any breakage or damage. No charge or deposits for laboratory materials are required from members of the corps of instruction or the scientific staffs mentioned above.

LIBRARY

Adequate library facilities are essential to the prosecution of graduate work and research. In the library of the College of Medicine may be found files of journals, monographs, separates, and standard texts supplying nearly every need.

A list of files of journals on pages 113-121.

DEPARTMENTS OF INSTRUCTION

ANATOMY

101. Histogenesis and Experimental Morphology.—Cytological and morphological changes in the organism which are directly correlated with normal processes, such as reproduction, differentiation, nutrition, growth, variation, regulation, regeneration, activity, secretion, rest, fatigue, senility.—*One or two units.* Professor KAMPMEIER

103. Individual Research and Embryology and Histogenesis. *One or two units.* Professor KAMPMEIER

DERMATOLOGY

101. Research work in Dermatology.—*One to three units.* Professor SENEAR

LARYNGOLOGY, RHINOLOGY AND OTOLOGY

101. Research work in Laryngology, Rhinology and Otology.—*One to three units.* Professor PIERCE

MEDICINE, PEDIATRICS AND BIO-PHYSICS

101. Research work in Medicine.—*One to three units.* Professor WILLIAMSON

101. Research work in Pediatrics.—*One to three units.* Professor HESS

101. Research work in Bio-Physics.—*One to three units.* Professor BACHEM

OBSTETRICS AND GYNECOLOGY

101. Research work in Obstetrics and Gynecology.—*One to three units.* Professor FALLS

OPHTHALMOLOGY

101. Research work in Ophthalmology.—*One to three units.*

PATHOLOGY AND BACTERIOLOGY

101. Advanced Pathogenesis.—Etiology and pathogenesis of certain diseases with especial consideration of the role that the lower animals play in the transmission of human disease. Lectures, conferences, demonstrations, assigned readings.—*One or two units.*

Professors DAVIS, PETERSEN, ARNOLD

103. Individual Research Course.—*One to two units.*

Professors DAVIS, PETERSEN, ARNOLD

PHARMACOLOGY

101. Advanced Pharmacodynamics.—Laboratory work.—*One or two units.*
Professor McGuigan, Assistant Professor Camp

103. Research Work in Pharmacodynamics.—*One or two units.*
Professor McGuigan, Assistant Professor Camp

PHYSIOLOGY AND PHYSIOLOGICAL CHEMISTRY

101. Advanced Biological Chemistry.—Biochemical methods of research, biological colloids, enzyme action, and metabolism.—*One or two units.*
Professor Welker, Associate Professor Bergeim

103. Biochemical Research.—*One or two units.*
Professor Welker, Associate Professor Bergeim

105. Advanced Physiology.—An introduction to original work in Experimental Physiology. Individual instruction in fundamental methods. Laboratory course.—*One or two units.* Associate Professor Oslund

109. Research Work in Physiology.—*One or two units.*
Associate Professor Oslund

SURGERY

101. Research Work in Surgery.—*One to three units.* Professor Hedblom

REGISTER OF STUDENTS

GRADUATE SCHOOL
1928-1929

SUMMER QUARTER—1928

Aaronson, Abraham Louis—Physiological Chemistry. B.S., 1926. Chicago.

Afremow, Melvin Louis—Bacteriology. B.S., University of Chicago, 1926. Chicago.

Armstrong, Robert Bruce—Physiological Chemistry. B.S., Alma College, 1926. Charlevoix, Mich.

Birch, Carroll La Fleur—Medicine. B.S., University of Pennsylvania, 1920, M.D., 1926, M.S., 1927. Chicago.

Boor, Alden Kinney—Physiological Chemistry. B.S., 1914, M.S., 1923, John B. Stetson University, S.B., University of Chicago, 1923. Chicago.

Downs, William Benham—Orthodontia. D.D.S., 1926. Batavia, Ill.

Dreyer, Irving—Anatomy. B.S., 1928. Chicago.

Eggers, Henry William—Pharmacology. B.S., 1928. Chicago.

Ets, Harold Norris—Pharmacology. B.S., University of Rochester, 1920, M.S., 1922. Chicago.

Ewing, Paul Leon—Pharmacology. B.A., Milton College, 1926. Oak Park, Ill.

Finder, Jerome Gordon—Bacteriology. A.B., 1926. Chicago.

Gillesby, William James—Physiological Chemistry. S.B., University of Chicago, 1927. Chicago.

Jentzsch, Richard Alvin—Orthodontia. D.D.S., 1926. Oak Park, Ill.

Joannides, Minas—Surgery. M.D., Washington University, 1921, M.S., 1928. Chicago.

Johnson, Clarence Albert—Physiological Chemistry. B.S., M.S., University of Chicago, 1925, 1928. Oak Park, Ill.

Kesel, Robert George—Bacteriology. D.D.S., 1926. Aurora, Ill.

Klein, Reuben—Physiological Chemistry. A.B., 1927. Chicago.

Kraines, Samuel Henry—Pathology. B.S., 1928. Chicago.

Lash, Abraham Fae—Obstetrics. B.S., University of Chicago, 1919, M.D., Rush Medical College, 1921. Chicago.

Learner, Aaron—Pathology. B.S., 1927. Chicago.

MacFate, Robert Preston—Physiological Chemistry. Ch.E., Lehigh University, 1925. Chicago.

Melnick, Perry Julius—Pathology. B.S., 1927. Chicago.

Olech, Eli—Oral Surgery. D.D.S., 1923. Chicago.

Ostrom, Meredith Louis—Bacteriology. B.S., 1927. Rock Island, Ill.

Reingold, Joseph C.—Pathology. B.S., 1927. Chicago.

Schiller, Maurice—Medicine. B.S., 1927. Chicago.

Thayer, Janet Campbell—Bacteriology. B.S., 1924. Chicago.

Webb, Richard Lockwood—Anatomy. A.B., 1924, M.S., 1925. Farmer City, Ill.

Wilson, Margaret Eugenie—Physiological Chemistry. A.B., Colorado College, 1926. Chicago.

SESSION 1928-29

Afremow, Melvin Louis—Bacteriology. B.S., University of Chicago, 1926. Chicago.

Allen, Bernard—Physiology. B.S., College of City of New York, 1926. Chicago.

Aries, Leon Judah—Pathology. Chicago.

Baer, Walter Hilmar—Surgery. Peoria, Ill.

Benda, Barbara Florence—Pathology. Chicago.

Benensohn, Sol Julius—Pathology. Chicago.

Berger, Louis—Anatomy. Chicago.

Birch, Carroll LaFleur—Medicine. B.S., University of Pennsylvania, 1920, M.D., 1926, M.S., 1927. Chicago.

Blayney, James Roy—Orthodontia, D.D.S., Northwestern University, 1913, B.S., Lewis Institute, 1924, M.S., University of Chicago, 1928. Chicago.

Boikan, William—Pathology. B.S., 1925, M.D., 1928. Chicago.

Boor, Alden Kinney—Physiological Chemistry. B.S., M.S., John B. Stetson University, 1914, 1923, S.B., University of Chicago, 1923. Chicago.

Bradel, Sigmund Francis—Metallurgy. B. Met. Eng., Ohio State University, 1923, D.D.S., 1928. Chicago.

Brezina, Helen—Pathology. Cicero, Ill.

Brody, Louis J.—Bacteriology. M.D., B.S., Loyola Medical School, 1925. Chicago.

Carow, Theodore Moffett—Surgery. Chicago.

Cohen, Bernard M.—Bacteriology. Chicago.

Cohen, David—Pathology. Chicago.

Cornbleet, Theodore—Dermatology. B.S., M.D., St. Louis University Medical School, 1921, 1923. Chicago.

Denenholz, Edward Jack—Pathology. Chicago.

Dickson, Dorothy—Physiological Chemistry. A.B., Knox College, 1928. Galesburg, Ill.

Downs, William Benham—Orthodontia. D.D.S., 1926. Batavia, Ill.

Dreyer, Irving—Anatomy. B.S., 1928. Chicago.

Eddy, Corinne Schenck—Pathology. Ph.B., University of Chicago, 1919. Chicago.

Effron, David—Bacteriology. Chicago.

Eggers, Henry William—Pharmacology. B.S., 1928. Chicago.

Erich, John—Surgery. Chicago.

Ewing, Paul Leon—Pharmacology. B.A., Milton College, 1926. Oak Park, Ill.

Finder, Jerome Gordon——Bacteriology. A.B., 1926, B.S., 1928. Chicago.

Fishel, Glenn Francis—Surgery. B.S., 1928. Carbondale, Ill.

Freeman, Ralph Waldo—Physiological Chemistry. A.B., 1926. Ogden, Ill.

Gillesby, William James—Physiological Chemistry. S.B., University of Chicago, 1927. Chicago.

Glenner, Robert Joseph—Pathology. Chicago.

Jentzsch, Richard Alvin—Orthodontia. D.D.S., 1926. Oak Park, Ill.

Joannides, Minas—Surgery. M.D., Washington, University, 1921, M.S., 1928. Chicago.
Johnson, Clarence Albert—Physiological Chemistry. B.S., M.S., University of Chicago, 1925, 1928. Oak Park, Ill.
Johnson, Richard Paul—Pathology. Chicago.
Kaplan, Bertha—Medicine. B.S., M.S., University of Chicago, 1916, 1921. Chicago.
Kaplan, Hyman Joseph—Bacteriology. A.B., 1927. Champaign, Ill.
Kaplan, Morris Aaron—Physiological Chemistry. Chicago.
Kaplan, Philip—Physiology. Chicago.
Kaufman, Irving—Pathology. Chicago.
Kesel, Robert George—Bacteriology. D.D.S., 1926. Aurora, Ill.
King, Earnest Quinchester—Physiology. A.B., University of Utah, 1926. Salt Lake City, Utah.
Klein, Reuben—Physiological Chemistry. A.B., 1927. Chicago.
Knudtzon, Kermit Frederick—Oral Surgery. D.D.S., 1927. Chicago.
Kunstadter, Ralph Hess—Pediatrics. B.S., 1927. Chicago.
Ladd, Robert Lelon—Pathology. A.B., Park College, 1920, M.D., Rush Medical School, 1926. Chicago.
Lash, Abraham Fae—Obstetrics. B.S., University of Chicago, 1919, M.D., Rush Medical College, 1921. Chicago.
Learner, Aaron—Pathology. B.S., 1927. Chicago.
Lipow, Eugene G.—Physiology. Ph.G., 1926. Chicago.
Loseff, Samuel Alvin—Physiology. Chicago.
MacFate, Robert Preston—Physiological Chemistry. Ch.E., Lehigh University, 1925. Chicago.
McLaughlin, Alan F.—Pharmacology. B.S., 1927. Carbondale, Ill.
Melnick, Perry Julius—Pathology. B.S., 1927. Chicago.
Meyer, Harold Irving—Surgery. A.B., 1919, M.D., Rush Medical College, 1923. Chicago.
Miller, William Edward—Bacteriology. A.B., Fisk University, 1923, B.S., 1928. Chicago.
Milliken, Margaret Wilson—Physiological Chemistry. A.B., Colorado College, 1926. Chicago.
Montgomery, Burtis Edgar—Bacteriology. B.S., McKendree College, 1922. Harrisburg, Ill.
Morrison, Sherman William—Pharmacology. Ph.G., Ph.C., University of Iowa College of Pharmacy, 1918, 1921, B.S., South Dakota State College, 1924, M.S., University of Iowa Graduate College, 1927.
Neville, William Francis—Oral Surgery. D.D.S., University of Michigan, 1926. Chicago.
Olech, Eli—Oral Surgery. D.D.S., 1923. Chicago.
Ostrom, Meredith Louis—Bacteriology. B.S., 1927. Rock Island, Ill.
Ragins, Benjamin Alex—Pathology. Chicago.
Rappaport, Ben Zion—Pathology. B.S., 1920, M.D., 1923. Chicago.
Reingold, Joseph C.—Pathology. B.S., 1927. Chicago.
Saberman, Meyer Isadore—Pathology. Chicago.
Sanfiloppo, Paul Dominic—Surgery. Chicago.

Schiller, Maurice—Medicine. B.S., 1927. Chicago.
Schlegel, Karl William—Pathology. Chicago.
Seron, Vaheh M.—Physiology. S.B., University of Chicago, 1925. Chicago.
Shapiro, Louis Bernard—Bacteriology. Chicago.
Shaw, Maurice Maceo—Pathology. A.B., 1927. Chicago.
Silverstone, Eugene Henry—Anatomy. B.S., University of Washington, 1924, Chicago.
Simons, Joseph—Bacteriology. Chicago.
Singer, Charlotte H.—Bacteriology. Chicago.
Sommer, Conrad Samuel—Bacteriology. Chicago.
Spivack, Marry—Pathology. M.D., Novorossisky University, 1920. Chicago.
Stuart, Carroll W.—Bacteriology. D.D.S., 1912, B.S., 1927. Chicago.
Taylor, Marion Meredith—Surgery. Noble, Ill.
Terman, Louis Arlington—Pathology. Chicago.
Thacker, Edgar Abney—Physiology. A.B., 1927. Danville, Ill.
Thayer, Janet Campbell—Bacteriology. B.S., 1924, Chicago.
Webb, Richard Lockwood—Anatomy. A.B., 1924, M.S., 1925. Farmer City, Ill.
Welker, Dorothy Hutchinson—A.B., 1927. Oak Park, Ill.
Zeitlin, Howard—Pathology. Chicago.

DEGREES CONFERRED

Degree of Master of Science

Conferred June 8, 1929

In Bacteriology

Melvin Louis Afremow, S.B., University of Chicago, 1926.
Alfred Julian Kobak, B.S., 1921, M.D., 1925.
Meredith Louis Hult Ostrom, B.S., 1927.
Charlotte H. Singer, B.S., 1929.
Carroll W. Stuart, D.D.S., 1912, B.S., 1927.

In Pathology

Aaron Learner, B.S., 1927.
Perry Jullius Melnick, B.S., 1927.

In Physiological Chemistry

Robert Preston MacFate, Ch.E., Lehigh University, 1925.

Conferred February 13, 1929

In Pharmacology

Paul Leon Ewing, A.B., Milton, College, 1926.

Degree of Doctor of Philosophy

Conferred February 13, 1929

In Pharmacology

Harold Norris Ets, B.S., University of Rochester, 1920, M.S., 1923.
Some Chemical Changes in Muscle Produced by Drugs.

Conferred June 8, 1929

In Obstetrics and Gynecology

Abraham Fae Lash, S.B., University of Chicago, 1919, M.D., Rush Medical College, 1921, M.S., 1926.

The Active Immunization of Pregnant and Puerperal Women with Streptococcal Toxins Against Streptococcal Puerperal Fever.

LIBRARY

The Library contains the chief standard text-books and works of reference, various monographs, collections of separates, and files of the best medical journals. By means of interlibrary loans practically any desired work may be obtained. The library will arrange for photostating, translating and abstracting when desired. The journals and the reference works, especially those which have proven useful in research have been moved to the Medical Research Laboratory and Library Building at 1817 West Polk St. The Library is open from 8:30 A.M. to 5 P.M. on all days except Sundays and legal holidays.

Journals and reference works may be taken for brief periods on application to the Librarian, provided there is no immediate demand for them in the building. The following is a list of the more important sets of periodicals in the library; those now being published are regularly received. Those marked (*) have complete or approximately complete files already on the shelves. Other files are being added as rapidly as possible:

*_Abstracts of Bacteriology_
*_Acta Ophthalmologica_
*_Acta Oto-laryngologica_
*_Acta Psychiatrica et Neurologica_
*_Acta Radiologica_
*_Acta Scholae Medicinalis Universitatis Imperialis Kiota_
Aichi Journal of Experimental Medicine
*_Albany Medical Annals_
Alienist and Neurologist
American Anthropologist
*_American Dental Surgeon_
*_American Heart Journal_
*_American Journal of Anatomy_
*_American Journal of Diseases of Children_
*_American Journal of Electrotherapeutics and Radiology_
*_American Journal of Hygiene_
*_American Journal of Insanity_
*_American Journal of the Medical Sciences_
American Journal of Nursing
*_American Journal of Obstetrics and Diseases of Women and Children_
*_American Journal of Obstetrics and Gynecology_
*_American Journal of Ophthalmology_
*_American Journal of Orthopedic Surgery_
*_American Journal of Pathology_
*_American Journal of Physical Anthropology_
*_American Journal of Physical Therapy_
*_American Journal of Physiology_
*_American Journal of Psychiatry_—new series
*_American Journal of Public Health_
*_American Journal of Roentgenology_
American Journal of Surgery
*_American Journal of Syphilis_
*_American Journal of Tropical Diseases_
*_American Naturalist_
*_American Review of Tuberculosis_
*_Anatomical Record_
*_Anatomische Hefte_
*_Anatomischer Anzeiger_
*_Anatomischer Bericht_
*_Annales d'Anatomie Pathologique_
*_Annales de Chirurgie et Orthopedie_
*_Annales de Dermatologie et de Syphilographie_
*_Annales de Gynécologie et d'Obstétrique_
*_Annales d' Hygiene Publique_
*_Annales de l'Institut Pasteur_
*_Annals of Clinical Medicine_

**Annals of Eugenics*
**Annals of Medical History*
**Annals of Opthalmology*
**Annals of Otology, Rhinology and Laryngology*
**Annals of Surgery*
**Annals of Tropical Medicine and Parasitology*
**L'Année Biologique*
Arbeiten aus dem anatomischen Institut, Tokio
**Arbeiten aus dem anatomischen Institut der Universtität zu Sendai*
**Arbeiten a.d. Gebiete d. pathologischen Anatomie u. Bacteriologie aus der pathologisch-anatomischen Institut zu Tübingen*
**Arbeiten aus dem Institut für Experimentelle Therapie und dem Georg Speyer-Hause zu Frankfurt a. m.*
**Arbeiten a.d. neurologischen Institut an der Wiener Universität*
Arbeiten des pharmakologischen Institutes zu Dorpat
**Arbeiten des pharmazeutischen Institutes der Universität Berlin*
**Archiv für Anatomie und Entwickelungsgeschichte*
**Archiv für Anatomie und Physiologie (Physiologische Abteilung)*
**Archiv für Anthropologie*
**Archiv für Augenheilkunde*
**Archiv für Dermatologie und Syphilis*
**Archiv für Entwickelungsmechanik der Organismen*
**Archiv für experimentelle Pathologie und Pharmakologie*
**Archiv für die gesammte Physiologie (Pflüger)*
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**Archives de Physiologie, normal et pathologique*
**Archives des Maladies du Coeur*
**Archives Générales de Médicine*
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**Archives Neerlandaises de Physiologie*
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- *Archives of Physical Therapy, X-Ray, Radium
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- Archives of the Roentgen Ray
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- *Archivio di Authropologia Criminale Psichiatria
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- *Archivios Argentinos de Neurologie
- *The Asclepiad
- *Atlantic Medical Journal
- *Beiträge zur chemischen Physiologie und Pathologie—Hofmeister's
- *Beiträge zur Geburtshilfe und Gynackologie
- *Beiträge zur klinischen Chirurgie (Brun's)
- Beiträge zur Klinik der Tuberkulose
- *Beiträge zur pathologischen Anatomie und zur allgemeinen Pathologie
- *Berichte der Deutschen chemischen Gesellschaft
- *Berichte über die gesamte Gynäkologie und Geburtshilfe
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- *Berliner klinische Wochenschrift
- *Bibliographia Physiologica
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- *Bibliographie Anatomique
- *Biochemical Bulletin
- *Biochemical Journal
- *Biochemische Zeitschrift
- *Biochemisches Centralblatt
- *Biologia Generalis
- *Biologie und Pathologie des Weibes
- *Biological Bulletin
- *Biologisches Centralblatt
- *Biometrika
- *Biophysikalisches Zentralblatt
- *Boston Medical and Surgical Journal
- *Botanical Gazette
- *Brain
- *British Dental Journal
- *British Gynecological Journal
- *British Journal of Dental Science
- *British Journal of Dermatology
- *British Journal of Children's Diseases
- *British Journal of Experimental Biology
- *British Journal of Experimental Pathology
- *British Journal of Ophthalmology
- *British Journal of Psychology
- *British Journal of Radiology
- *British Journal of Surgery
- British Journal of Tuberculosis
- *British Medical Journal
- *Bulletin de l'Académie de Médicine
- *Bulletin de l'Association Française pour l'étude du cancer
- *Bulletin de l'Institut Pasteur
- *Bulletin de la Société Française de Dermatologie et de Syphilographie
- *Bulletin de la Société d'Obstétrique et de Gynécologie de Paris
- *Bulletin de la Société de Pathologie exotique
- Bulletin d. l. Société d. Sciences médicales et biologiques
- *Bulletin of the Association of American Medical Colleges
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- *Bulletin of the Society of Medical History of Chicago
- *Bulletins et Mémoires de la Société Anatomique de Paris
- Bulletins et Mémoires de la Société de Chirurgie de Paris
- *Bulletins et Mémoires de la Société médicales des Hôpitaux de Paris
- *California and Western Journal of Medicine
- *Canadian Medical Association Journal
- *La Cellule
- *Centralblatt für allgemeine Pathologie und pathologische Anatomie
- *Centralblatt für klinische Medizin
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*Centralblatt für die medizinischen Wissenschaften
*Centralblatt für Nervenheilkunde und Psychiatrie
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*Charité-Annalen
*Chemical Abstracts
*Chemical Review
*Chemisches Centralblatt
Chicago, Bulletin Municipal Tuberculosis Sanitarium
Chicago's Health
*Comptes rendus hebdomadaires des Séances de l' Academie des sciences
*Comptes Rendus des Séances de la Société de Biologie
*Cornell University Medical Bulletin
*Correspondenzblatt für Schweizer Aerzte
*Dental Cosmos
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*Dermatologische Wochenschrift
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*Ergebnisse der Anatomie und Entwicklungsgeschichte
*Ergebnisse der Geburtshilfe und praktische Gynäkologie
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*Ergebnisse der Medizinischen Strahlenforschung
*Ergebnisse der Physiologie
Eugenics Review
*Fermentforschung
*Folia Anatomica Japonica
*Folia Haematologica. Originale
*Folia Haematologica. Referate
*Folia Neurobiologica
*Folia Neurologica
*Folia Serologica
*Folia Urologica
*Fortschritte auf dem Gebiete der Röntgenstrahlen
Fortschritte der Medizin
*Fortschritte der Zahnheilkunde
*Frankfurter Zeitschrift für Pathologie
*Gazette Hebdomadaire de Médicine
*La Gynécologie
*Gynécologie et d'Obstétrique
*Haematologica-Archivio Italiano di Ematologica
*Heart
*Hygeia (Chicago)
*Hygiea (Stockholm)
L'Hygiene Mentale
*Illinois Medical Journal
*Illinois State Laboratory of Natural History-Bulletin
*Index Catalogue of the Surgeon-General's Office
*Index Medicus
*Indian Journal of Medical Research
L'Informateur des Alienistes et Neurologistes
*International Association of Medical Museums Bulletin
*International Clinics
International Journal of Orthodontia
*International Journal of Psychoanalysis
*International Journal of Surgery
*International Medical Digest
*International Surgical Digest
*Internationale Monatsschrift für Anatomie und Physiologie

*Internationales Centralblatt für Harn und Sexualorgane
*Irish Journal of Medical Science
*Jahrbuch für Kinderheilkunde
*Jahrbuch der Psychoanalyse
*Jahresberichte der Ophthalmologie
*Jahresbericht über die Ergebnisse der Immunitätsforschung
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*Jahresbericht über die Leistungen und Fortschritte im Gebiete der Ophthalmologie
*Jahresbericht über die Lehre von den pathogenen Mikroorganismen, umfassend Bakterien, Pilz und Protozoen
*Jahresbericht über die Leistungen und Fortschritte in der gesamten Medizin (Constatt) (Virchow-Hirsch)
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*Japan Medical Journal
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**Monatsschrift für Kinderheilkunde Originale. Referate*
**Monatsschrift für Ohrenheilkunde*
**Morphologisches Jahrbuch*
**Münchener medizinische Wochenschrift*
National Research Council Bulletin
**Nation's Health*
**Neurologisches Centralblatt*
**La Névraxe*
**New England Journal of Medicine*
**New Orleans Medical and Surgical Journal*
**New York Lying-in Hospital Bulletin*
**New York Medical Journal*
**New York Pathological Society. Proceedings*
**New York State Journal of Medicine*
**La Nourisson*
**Nouvelle Icongraphie de la Salpêtrière*
**Nouvelles Archives d'Obstétrique et de Gynécologie*
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**Schweizeriche medizinische Wochenschrift*
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**Seuchenbekampfung*
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**Surgical Clinics of North America*
**Texas State Journal of Medicine*
**Therapeutic Gazette*
**Therapeutische Halbmonatshefte*
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Therapie der Gegenwart
**Tohoku Journal of Experimental Medicine*
Transactions of the:
- **American Academy of Ophthalmology and Oto-Laryngology*
- **American Association of Genito-Urinary Surgeons*
- **American Association of Medical Milk Commissions*
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U. S. Dept. of Agriculture—Experiment Station Record
**United States Naval Medical Bulletin*
**Uppsala läkareförenings förhandlingar*
Urologischer Jahresbericht
**Verhandlung der Anatomischen Gessellschaft*
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**Zeitschrift für Tuberkulose*
**Zeitschrift für Urologie*
**Zeitschrift für urologische Chirurgie*

Zeitschrift für wissenschaftliche Mikroskopie und für migroskopische Technik

**Zeitschrift für wissenschaftliche Zoologie*

**Zeitschrift für Zellforschung und mikroskopische Anatomie*

Zentralblatt für Bacteriologie, Parasitenkunde und Infectionskrankheiten. Originale. Referate

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Published four times a year in the months of March, June, July and August, at Chicago, Ill.

Vol. XVI JULY, 1930 No. 3

(Entered as second-class matter October 16, 1914, at the post office at Chicago, Illinois, under the Act of Congress of August 24, 1912.)
Acceptance for mailing at special rate of postage provided for in Section 1103, Act of October 3, 1917, authorized July 27, 1918.

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Cook County Hospital:

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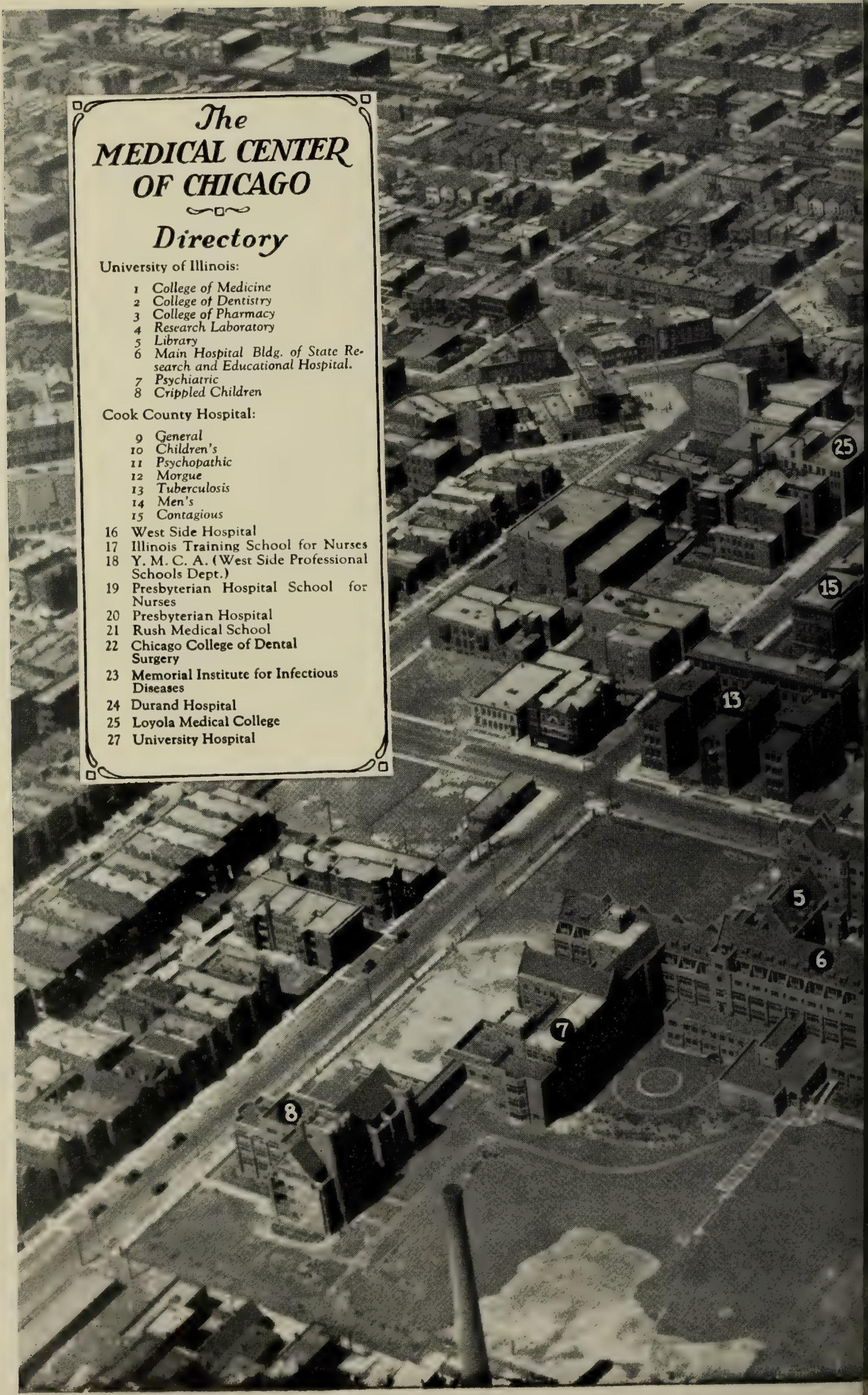
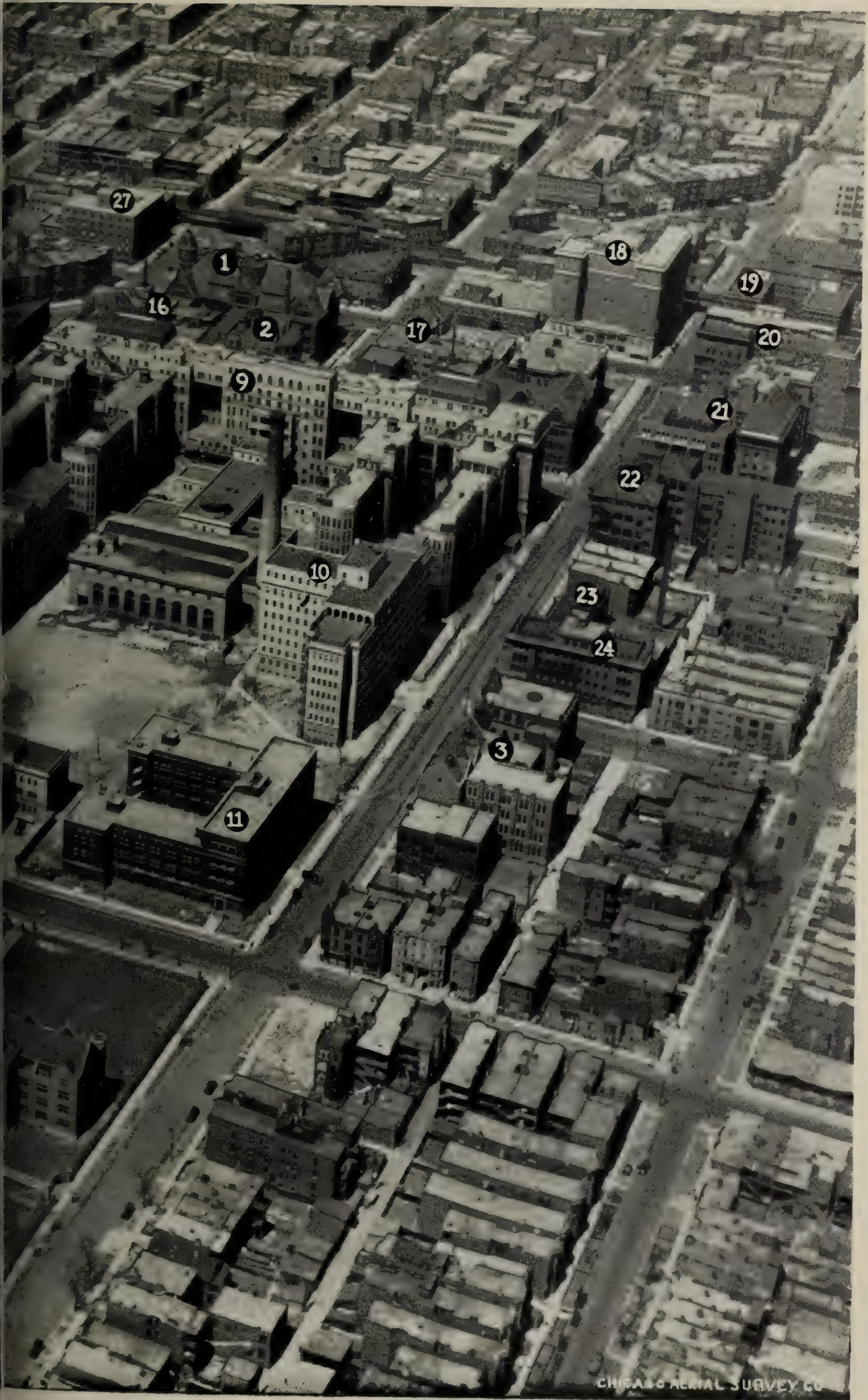
10. *Children's*
11. *Psychopathic*
12. *Morgue*
13. *Tuberculosis*
14. *Men's*
15. *Contagious*

16 West Side Hospital
17 Illinois Training School for Nurses
18 Y. M. C. A. (West Side Professional Schools Dept.)
19 Presbyterian Hospital School for Nurses
20 Presbyterian Hospital
21 Rush Medical School
22 Chicago College of Dental Surgery
23 Memorial Institute for Infectious Diseases
24 Durand Hospital
25 Loyola Medical College
27 University Hospital

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1930-1931

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1930

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CALENDAR

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COLLEGE CALENDAR

1930-1931

FIRST SEMESTER

September 10-13, Wednesday-Saturday
Entrance Examinations. All departments of the University (High School Subjects)

September 29-October 4, Monday-Saturday
Special examinations

October 6, Monday, 8 a.m.-5 p.m.
Registration and payment of fees

October 7, Tuesday, 8 a. m.
Instruction begun

November 26, Wednesday, 12 m.
Thanksgiving recess

December 1, Monday, 8 a.m.
Instruction resumed

December 20, Saturday, 5 p.m.
Holiday recess begun

January 5, Monday, 8 a.m.
Instruction resumed

January 29-February 3, Thursday-Tuesday
Semester examinations

SECOND SEMESTER

February 9, Monday, 8 a.m.-5 p.m.
Registration and payment of fees

February 10, Tuesday, 8 a.m.
Instruction begun

April 2, Thursday, 6 p.m.
Easter recess begun

April 6, Monday, 8 a.m.
Instruction resumed

May 25-June 5, Monday-Friday
Final examinations: Second and Fourth Years, May 25-29 inclusive; First and Third Years, June 1-5, inclusive

May 30, Saturday
Memorial Day

June 12, Friday
Class Day
Alumni Meeting

June 13, Saturday, 10:30 a.m.
Commencement Exercises
Chicago Professional Schools

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†Deceased April 16, 1930.

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Michael Henry Streicher, M.S., M.D., *Associate in Medicine*
I. A. Rabens, M.S., M.D., *Associate in Medicine*
Yngve Joranson, A.B., B.S., M.D., *Associate in Anatomy*
Carroll L. Birch, B.S., M.D., *Associate in Medicine*
John Joseph Theobald, B.S., M.D., *Associate in Laryngology, Rhinology and Otology*
Louis Sender Robins, B.S., M.D., *Associate in Pediatrics*
Gustav F. Weinfeld, M.D., *Associate in Pediatrics*
Gerhardt von Bonin, M.D., *Associate in Anatomy*
Gustav Zechel, M.D., *Associate in Anatomy and in Surgery*
Ernest A. Bredlau, M.D., *Associate in Laryngology, Rhinology and Otology*
Hugo O. Deuss, B.S., M.D., *Associate in Medicine*
Moses Goldwasser, M.D., *Associate in Medicine*
Milton Henry Kronenberg, B.S., M.D., *Associate in Medicine and in Surgery*
Simeon Leo Berman, B.S., M.D., *Associate in Pediatrics*
Thomas Paine Saltiel, B.S., M.D., *Associate in Pediatrics*
Hyman Cohen, M.D., *Associate in Ophthalmology*
Alexander J. Nedzel, M.D., *Associate in Bacteriology*
Paul Leon Ewing, B.S., *Associate in Pharmacology*
Minas Joannides, M.S., M.D., *Associate in Surgery*
Ralph August Kordenat, B.S., M.D., *Associate in Surgery*
Jacob Morton Mora, B.S., M.D., *Associate in Surgery*
Virgil Ray Stephens, B.S., M.D., *Associate in Surgery*
Hawthorne Collins Wallace, A.B., M.D., *Associate in Surgery*
Hiram Jason Smith, M.D., *Associate in Ophthalmology*
George J. Mohr, S.B., M.D., *Associate in Criminology*

LECTURERS

Bernard John Cigrand, B.S., M.S., D.D.S., *Lecturer on History of Medicine*

INSTRUCTORS

Archie James Graham, B.S., M.D., *Instructor in Surgery*
Robert Ludwick Furby, M.D., *Instructor in Pediatrics*
James Edward Fitzgerald, B.S., M.D., *Instructor in Obstetrics*
Maurice J. Rose, B.S., M.D., *Instructor in Obstetrics*
Henry O. Wernicke, A.B., M.D., *Instructor in Surgery*

Theodore Cornbleet, B.S., M.D., *Instructor in Dermatology*
Walter Rathfon Fischer, B.S., M.D., *Instructor in Orthopedic Surgery*
Henry Rex Amberson, B.S., M.D., *Instructor in Surgery*
Richard Lockwood Webb, A.B., M.S., *Instructor in Anatomy*
L. Wade Martin, M.D., *Instructor in Obstetrics*
Henry C. Becker, M.D.V., *Instructor in Hygiene*
Willard Van Hazel, A.B., M.D., *Instructor in Surgery*
Florence Hark, B.S., M.D., *Instructor in Obstetrics*
Mary Ruth McGuire, M.D., *Instructor in Obstetrics*
Dietrich Klemptner, M.D., *Instructor in Medicine*
Max E. Engerman, B.S., M.D., *Instructor in Pediatrics*
Carl Cohen, B.S., M.D., *Instructor in Pediatrics*
Benjamin M. Levin, B.S., M.D., *Instructor in Pediatrics*
Norbert Pauker, B.S., M.D., *Instructor in Pediatrics*
Harold Irving Meyer, M.D., *Instructor in Surgery*
Rudolph J. E. Oden, A.B., M.D., *Instructor in Surgery*
William Marshall, B.S., M.D., *Instructor in Orthopedic Surgery*
Abraham A. Low, M.D., *Instructor in Neurology*
Harry O. Maryan, B.S., M.D., *Instructor in Obstetrics*
Sol Litt, B.S., M.D., *Instructor in Obstetrics*
James Hubert Skiles, B.A., M.D., *Instructor in Obstetrics*
David Arthur Willis, B.S., M.D., *Instructor in Surgery*
William Clarence Doepp, S.B., M.D., *Instructor in Medicine*
Louis Feldman, B.S., M.D., *Instructor in Medicine*
Jacob Fischer, B.S., M.D., *Instructor in Medicine*
Walter W. Dalitsch, B.S., M.D., *Instructor in Medicine*
Benjamin M. Gasul, B.S., M.D., *Instructor in Pediatrics*
Emil James Stein, M.D., *Instructor in Anatomy and in Surgery*
Joseph W. Platin, M.D., *Instructor in Genito-Urinary Surgery*
John A. C. Busby, B.S., M.S., M.D., *Instructor in Obstetrics*
Louis J. Halpern, B.S., M.D., *Instructor in Pediatrics*
Harold H. Rosenbloom, B.S., M.D., *Instructor in Medicine*
Alfons R. Bacon, B.S., M.D., *Instructor in Obstetrics*
Oscar Richter, B.S., M.D., *Instructor in Medicine*
Mat Bloomfield, S.B., M.D., *Instructor in Obstetrics*
Hector Morrison Ross, M.D., *Instructor in Orthopedic Surgery*
Timothy Francis Mullen, B.S., M.D., *Instructor in Orthopedic Surgery*
Louis N. Boelio, B.S., M.D., *Instructor in Anatomy*
Max E. Fisch, B.S., M.S., M.D., *Instructor in Anatomy and Assistant in Medicine*
Parke Harvey Simer, B.E., M.A., Ph.D., *Instructor in Anatomy*
Marcus Rayner Caro, B.S., M.D., *Instructor in Dermatology*
Henry R. Krasnow, M.D., *Instructor in Dermatology*
Herbert Rattner, M.D., *Instructor in Dermatology*
Nathan Schneck, A.B., A.M., M.D., *Instructor in Laryngology, Rhinology and Otology*
Sherman L. Shapiro, B.S., M.D., *Instructor in Laryngology, Rhinology and Otology*
Irwin G. Spiesman, B.S., M.D., *Instructor in Laryngology, Rhinology and Otology*
Philip Allen Halper, B.S., B.M., M.D., *Instructor in Otolaryngology*

Max T. Bolotin, B.S., M.D., *Instructor in Medicine*
Curtis Buford Bowman, B.S., M.D., *Instructor in Medicine*
Louis Bernard Kartoon, B.S., M.D., *Instructor in Medicine*
Tell Nelson, B.S., M.D., *Instructor in Medicine*
Oscar B. Ragins, B.S., M.D., *Instructor in Medicine*
Sidney Wallace Raymond, B.S., M.D., *Instructor in Medicine*
Saul S. Soloway, B.S., M.D., *Instructor in Medicine*
Marion Hood, B.A., M.A., *Instructor in Medicine*
Philip Blickensdorfer, B.S., M.S., *Instructor in Medicine*
Harry Leichenger, B.S., M.D., *Instructor in Pediatrics*
John Anthony Suldane, M.D., *Instructor in Pediatrics*
Samuel Wolf, M.D., *Instructor in Ophthalmology*
Erich Herman Bukofzer, *M.D., Instructor in Pathology*
Rudolph J. Kremer, M.D., *Instructor in Pathology*
George Milles, Ph.G., B.S., M.D., *Instructor in Pathology*
Louis Parmacek, B.S., M.D., *Instructor in Pathology*
Alden Kinney Boor, B.S., M.S., Ph.D., *Instructor in Physiological Chemistry*
Abe Louis Aaronson, B.S., M.D., *Instructor Physiological Chemistry*
Jacob Nick Esau, B.A., M.A., Ph.D., *Instructor in Physiology*
Robert Preston MacFate, Ch.E., *Instructor in Physiological Chemistry*
Percy Joseph DeLano, B.S., M.D., *Instructor in Surgery*
Earl Ernst Ewert, B.S., M.D., *Instructor in Surgery*

ASSISTANTS

Benjamin Braude, M.S., M.D., *Assistant in Surgery*
Adeline R. White, B.S., M.D., *Assistant in Anatomy*
Samuel J. Burrows, M.D., *Assistant in Anatomy*
Morris Louis Parker, B.S., M.D., *Assistant in Surgery*
Hyman N. Brown, B.S., M.D., *Assistant in Pediatrics*
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Alfred J. Koback, B.S., M.D., *Assistant in Obstetrics*
John Benjamin Batko, B.S., M.D., *Assistant in Anatomy*
Levi Martin Browning, M.D., *Assistant in Anatomy*
Claire Eugene Carr, B.S., M.D., *Assistant in Anatomy*
Calvin Albert Lauer, M.D., *Assistant in Anatomy*
Henry H. Rubin, B.S., M.D., *Assistant in Anatomy*
Samuel Isaac Weiner, B.S., M.D., *Assistant in Anatomy*
Herman J. Pilka, B.S., M.D., *Assistant in Anatomy*
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Philip Shapiro, B.S., M.S., M.D., *Assistant in Anatomy*
Samuel Bergen, B.S., M.D., *Assistant in Dermatology*
Harold M. Mortimer, B.S., M.D., *Assistant in Dermatology*
Minnie O. Perlstein, B.S., M.D., *Assistant in Dermatology*
Sol Rosenthal, B.S., M.D., *Assistant in Dermatology*
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Leon Philip Belous, M.D., *Assistant in Obstetrics and Gynecology*
Harold Herrin Hill, B.S., M.D., *Assistant in Obstetrics and Gynecology*
John George Hillebrand, B.S., M.D., *Assistant in Obstetrics and Gynecology*
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Charles Herman Lesage, B.S., M.D., *Assistant in Obstetrics and Gynecology*
Harriet Iler Skemp, B. S., M.D., *Assistant in Obstetrics and Gynecology*
Harry Hart Stephens, B.S., M.D., *Assistant in Obstetrics*
Henning Melville Swenson, B.S., M.D., *Assistant in Obstetrics and Gynecology*
Carl Apple, B.S., M.D., *Assistant in Ophthalmology*
Edward Frederick Gueth, B.A., *Assistant in Pharmacology*
Frances Agnes Briggs, B.S., M.S., *Assistant in Physiological Chemistry*
Fred Danziger, B.S., M.D., *Assistant in Physiological Chemistry*
Jack Bernard Dismukes, B.S., *Assistant in Physiology*
John Wallace Welsh, Jr., B.A., *Assistant in Physiology*
Esther F. Teeters, B.A., *Assistant in Pediatrics.*

THE LIBRARY

Metta M. Loomis	*Librarian*
Margaret M. Bates	*Assistant Librarian*

UNIVERSITY OF ILLINOIS
COLLEGE OF MEDICINE

GENERAL DESCRIPTION

BUILDINGS, EQUIPMENT AND LIBRARY

The Old Medical College Building. This building, located in the city block bounded by Harrison, Congress, Honore and Lincoln Streets, Chicago, contains lecture rooms, an assembly hall seating seven hundred, and the laboratories of chemistry, microscopic anatomy, physiology, pathology, bacteriology, pharmacology and therapeutics, operative surgery, experimental medicine and clinical diagnosis. Additional laboratories for gross anatomy are located in the Dental Building immediately adjoining the Medical Building.

The New Laboratories. At a recent session of the Legislature an appropriation was made for the erection of new Medical and Dental Laboratories in close proximity to the Research and Educational Hospital.

The Research and Educational Hospital. In association with the Department of Public Welfare of the State of Illinois, a group of Hospitals and Laboratories is in operation and the University thereby in a position to offer its faculty adequate facilities for teaching and investigation.

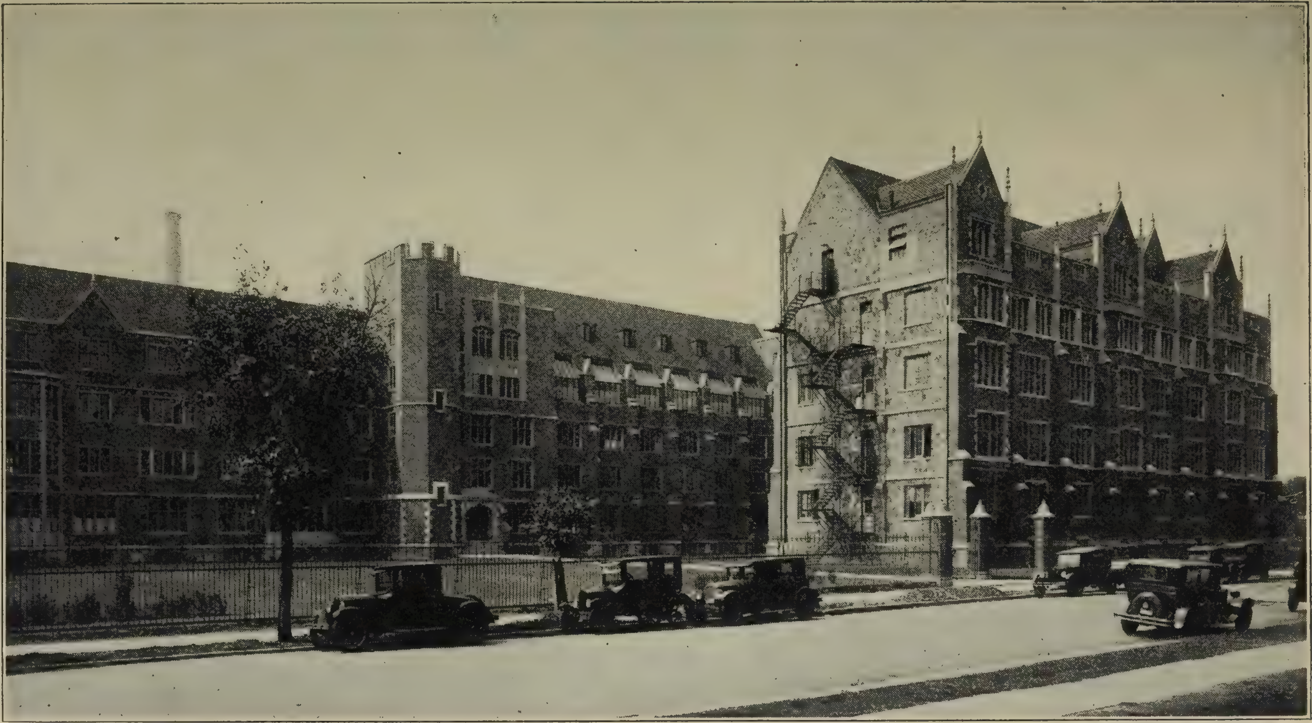
The buildings occupy a campus approximately eight acres in extent, adjacent to the Cook County Hospital. The units now in operation include the following:—Outpatient Dispensary, General Hospital, Research Laboratory and Library, Pediatric Ward, and the Orthopedic and Psychiatric Divisions.

The Hospital has been designed for teaching and investigation. At the present time some 200 beds are occupied and the total of 450, contemplated, will soon be available.

The Outpatient Dispensary. This occupies the main floor of the Hospital Building. It possesses large waiting rooms, suitable suites for all divisions of clinical work, a large amphitheatre, drug dispensary and preparations rooms (used in conjunction with the School of Pharmacy), electrocardiographic and hydrotherapeutic units.

The Research and Library Building. Joining the Hospital by corridors the University has erected a laboratory building for the science group of the medical school.

The library contains 37,874 bound volumes and a number of reprints, including the standard textbooks, works of reference, monographs and journal files in the fields of medicine, dentistry and pharmacy. The pharmacy collection occupies part of the main floor of the School of Pharmacy. It contains 5,476 volumes and 2,900 pamphlets and ranks as one of the largest pharmaceutical libraries in the country. In addition to these two collections many of the departments of the three schools are supplied with working libraries.



RESEARCH BUILDING WITH EDUCATIONAL HOSPITAL IN BACKGROUND

THE LIBRARY
OF THE
UNIVERSITY OF ILLINOIS

THE
JOHN CRERAR
LIBRARY

CLINICAL FACILITIES

Dispensary

The Dispensary is divided into eleven departments; medicine, surgery, obstetrics, pediatrics, orthopedics, laryngology, dermatology, ophthalmology, gynecology, neurology and genito-urinary surgery. At present the number of treatments is limited to about 100,000 per year.

Opportunities are given the student to examine the cases personally under the guidance of instructors. He is required to make laboratory examinations pertaining to his own cases. Such examinations as the Wassermann reaction are made by the instructors in the laboratory, but the student has opportunity to follow these and to learn the technique involved.

Clinics

In addition to those in the Research and Educational Hospital and Dispensary more than 600 clinics in over seventy other public and private hospitals in Chicago, each of which appoints several internes annually, are open to students.

Chicago Policlinic, Grant, Mount Sinai, St. Anthony de Padua, University and West Side Hospitals have been affiliated with the College of Medicine for several years. From time to time special clinics are arranged for in these institutions.

Cook County Hospital is located within half a block of the college. This is the largest charity hospital in America, and in it is conducted much of the clinical instruction of the college. During the past year it cared for over 77,000 patients.

The internes, 104 in number, are selected each spring by competitive examination. Only graduates of medical colleges of Cook County are eligible for these examinations. Internes serve eighteen months.

The hospital tickets cost $5.00 each. They are for sale at the office of the Warden and admit the holder to all clinics, autopsies, public operations and lectures.

The County Morgue is located in the hospital grounds, and in it daily postmortems are held by the pathologists of the hospital.

The Municipal Tuberculosis Sanitarium at Crawford and Bryn Mawr Avenues, one of the largest of its kind in the country, has accommodations for 1,250 patients. Small groups of students receive practical instruction in residence there during their senior years.

The Municipal Contagious Hospital at 3026 South California Avenue has over 375 beds and deals with 4,000 patients per year. Small groups of senior students spend a short period in residence at this hospital.

Augustana Hospital, Lincoln and Cleveland avenues, has 450 beds. The service covers the field of surgery and medicine with the exception of contagious diseases.

Illinois Eye and Ear Infirmary, Peoria and Adams streets, is devoted to the diseases of the eye, ear, nose and throat. It has accommodations for about 240 inpatients and the number of treatments annually is over 75,000. The material of the Infirmary is accessible for study.

Michael Reese Hospital, 29th and Ellis Avenue, has over 600 beds.

St. Luke's Hospital, 1437 Michigan Avenue, has 675 beds, of which 480 may be used for teaching purposes.

GENERAL INFORMATION

ENTRANCE REQUIREMENTS FOR 1930-31

Applications for admission must be made to the Secretary of the College of Medicine in Chicago. No application will be considered unless accompanied by the credentials necessary to determine the student's eligibility for admission. No student who is on scholastic probation at, or who has been dropped for poor scholarship from, the last institution attended prior to seeking admission to the University in its College of Medicine, will be given precedence in registration over students whose records are clear.

For admission to the College of Medicine, candidates must present:*

1. Four years of accredited high school work or the equivalent, comprising not less than 15 units in acceptable subjects prescribed as follows:

English	3 units[1]
Algebra	1 unit
Plane geometry	1 unit
Latin, Greek, German, or French (both units in the same language)	2 units
History and civics	1 unit
Electives	7 units
Total	15 units

2. Two years' work in a recognized college or university, comprising not less than 60 semester hours. At least three-fourths of this pre-medical work is required to be of at least grade C, or 75 per cent, or an equivalent grade as determined by the University from institutions using a different system of marking. The work must include prescribed subjects as follows:

Chemistry (including organic chemistry, 4 semester hours)	12 semester hours[2]
Physics (at least 2 hours of laboratory work)	8 semester hours
Biology (at least 4 hours of laboratory work, see note 1)	8 semester hours
English	6 semester hours
German, French (see note 2)	6 semester hours
Electives outside of the chemical, physical and biological sciences (see note 3)	6 semester hours
Free electives (see note 3), exclusive of military, hygiene and physical education	14 semester hours
Total	60 semester hours

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*These are the minimum requirements for admission to the College of Medicine. For a broader foundation attention is called to the work indicated on page 22 under "Courses Offered."

[1] By a *unit* is meant a year's work in a single subject, it being understood that the school year shall not be less than 36 weeks in length, that classes shall recite 5 times a week, that the recitation period shall be not less than 40 minutes long, that in science subjects there shall be double periods twice a week and that double time shall be given in subjects like drawing, manual training and bookkeeping, in which little or no outside study is required. Since high-school students ordinarily take four subjects at a time throughout the four years of the high-school course, 15 units represent approximately four years of high-school work.

[2] By a *semester hour* is meant the work of a class meeting one hour once a week for a semester of 18 weeks. Sixty semester hours represent ordinarily two years of college work.

MAIN BUILDING AS VIEWED FROM THE SOUTHEAST (RESEARCH AND EDUCATIONAL HOSPITALS)

THE
JOHN CRERAR

Note 1: Biology—Four of these 8 semester hours must consist of laboratory work. This requirement may be satisfied by a course of 8 semester hours in either general biology or zoology, or by courses of 4 semester hours each in zoology and botany, but not by botany alone.

Note 2: German, French—The student is strongly urged to secure a reading knowledge of one of these languages. This will ordinarily require at least two years' work in the high school followed by at least 6 hours' work in the same language in college, or two full years' work (in a class reciting at least 3 periods per week) in college if the language was not begun in the high school, or the equivalent.

Note 3: Electives—As desirable electives the following subjects are suggested: psychology; college algebra and trigonometry; additional English; economics, history, sociology, political science; logic; Latin, Greek; drawing. Among the free electives advanced chemistry, zoology and botany may be offered.

Students registered in the medical curriculum—The seven-year medical curriculum offered by the University consists of two years of pre-medical work at Urbana, including the subject requirements stated above, two years of pre-clinical work in the College of Medicine in Chicago (for these four years a B.S. degree may be given), two years of clinical work in the College of Medicine at Chicago, and one year as an interne in a hospital approved by the University. The registration of students at Urbana who have completed the requirements of the first two years of the medical curriculum (the pre-medical work) is continued in the College of Medicine. Students admitted to the second year of the pre-medical curriculum at Urbana, having taken their first year elsewhere will not be permitted to continue their registration in the College of Medicine ahead of candidates from other institutions who have been on the waiting list of the College of Medicine for one year or more. Registration of students is continued in the College of Medicine subject to the following conditions:

1. The student who wishes thus to continue his work in the University must signify his intention to the Registrar on a form provided by him not later than March 1 of the year in which he purposes to continue his work in the Chicago department.

2. The student must comply with the general regulations for registration in the University in the medical course. This includes the payment of fees in advance.

3. No student who is on probation at the University (or who has been dropped for poor scholarship) at the time he seeks to continue his University registration in the College of Medicine, has any claim to precedence in registration over students who come with clear records from the University of Illinois or other institutions.

No conditions are permitted—The full requirements as listed above must be presented at the time of admission. No conditions are permitted.

HOW THE ENTRANCE REQUIREMENTS MAY BE MET

The high-school requirement may be satisfied either by certificate or by examination.

High-School Credits by Certificate

High-school credits will be accepted by certificate from the following sources:

1. From high schools and academies in the State of Illinois which are accredited to the University of Illinois.

2. From schools accredited by the North Central Association of Colleges and Secondary Schools.

3. From schools accredited to the state universities which are included in the membership of the North Central Association of Colleges and Secondary Schools, provided the Illinois standard time requirements are met.

4. From high schools and academies registered by the Regents of the University of the State of New York.

5. From schools approved by the New England College Entrance Certificate Board.

6. From schools accredited by the Southern Association of Colleges and Secondary Schools.

7. From the state normal school of Illinois and other state normal schools having equal requirements for graduation.

High-School Credits by Examination

High-school credits may be made by examination:

1. In the examinations conducted by the Registrar of the University of Illinois at the University in Urbana in January, July and September of each year.

2. In the examinations conducted by the Registrar of the University of Illinois, in Chicago, five times each year, about March 15, June 15, August 25, September 15 and December 15.

3. In the examinations conducted in June of each year by the College Entrance Examination Board.

4. In the examinations conducted by the Regents of the University of the State of New York.

COLLEGE CREDITS

College credits will be accepted *by certificate* from recognized colleges which require for admission the completion of at least 14 units of high-school work in an accredited high school or the full equivalent thereof, and for graduation, in addition, four years of college work; and also from recognized junior colleges and state normal schools.

A letter of honorable dismissal from the last collegiate institution attended is required.

COURSES OFFERED

While the minimum requirements for admission prescribe two years of liberal arts and science work, it is to the advantage of the student to present more than this amount of pre-medical work.

Attention is called to the fact that the University at Urbana offers the following choice of courses:

MAIN READING ROOM OF THE QUINE LIBRARY (RESEARCH AND LIBRARY BUILDING)

THE

1. A course of nine years—four in the College of Liberal Arts and Sciences at Urbana, leading to the degree of Bachelor of Arts, followed by five years in the College of Medicine in Chicago, leading to the degree of Doctor of Medicine. This course of study is recommended to young men who can afford the time for it, and who are of the average age graduation from the public high schools.

2. An eight-year course—three years in the College of Liberal Arts and Science at Urbana, followed by five years in the College of Medicine in Chicago. Students taking this course are permitted, at the end of their first year in the College of Medicine, to transfer credits in the medical sciences to complete the requirements for graduation of the College of Liberal Arts and Sciences and receive the degree of Bachelor of Arts. On the completion of five years in the College of Medicine they receive the degree of Doctor of Medicine.

REGISTRATION

Students must register in the office of the secretary immediately upon the opening of the term for the work of that term, and credit will be allowed only for the subjects in which they are registered. Students will be registered in the order in which their fees are paid. Owing to limited space the number of first year students is restricted to one hundred and seventy-five.

COLLEGIATE YEAR

The year is divided into two semesters of seventeen weeks each. Attendance upon the full session is required in order to secure credit for a year's work.

FEES AND EXPENSES[1]

First Year—	Tuition	$130.00
	Laboratory	35.00
	Total	(165.00)
Second Year—	Tuition	130.00
	Laboratory	35.00
	Total	(165.00)
Third Year—	Tuition	160.00
	Laboratory	5.00
	Total	(165.00)
Fourth Year—	Tuition	165.00
	Laboratory	5.00
	Total	(170.00)
	Grand Total	$665.00

Students entering the University for the first time will be charged a matriculation fee of ten dollars in addition to the above.

A late registration fee of five dollars will be charged to students who do not present themselves for the payment of fees on the dates designated in the College calendar.

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[1] The term "year" in this schedule of fees refers to a period of instruction covering two terms of seventeen weeks each or the equivalent thereof.

All students taking Gross Anatomy are required to make a deposit of $10.00 for the use of a disarticulated skeleton. This deposit is returned to the student at the end of the year upon the return of the material.

The Trustees reserve the right to change the fees at any time through publication in the annual announcement.

ADDITIONAL FEES

Diploma, $10.00. Copy of original transcript of record, $1.00; for each carbon copy of same fifty cents.[1]

Listeners or Visitors Fee—The following fees are charged listeners or visitors in the course of the College of Medicine. For each twenty-five clock-hours, or fraction thereof, state sudents, $10.00; non-state students, $20.00.

Note.—County Hospital ticket, $5.00. Maternity Service Fee, $15.00.

All fees are payable in advance. The entire matriculation and laboratory fees together with one-half of the general fee must be paid during the registration day of the first semester. The remainder of the general fee is payable on the registration day of the second semester.

No members of the instructional staff are allowed to accept special fees.

In case a student withdraws from the school within ten days after the beginning of the instruction the total amount of his fees except the matriculation fee will be refunded. After ten days and before the expiration of the month a refund of three-fourths of the tuition and laboratory fees will be made. After one month and before the expiration of two months a refund of one-half of these fees will be made. After two months and before the expiration of three months a refund of one-fourth of the fees will be made. After the expiration of three months no part of the fees will be refunded.

Alumni are admitted to all regular courses, without charges, except in laboratory work, in which a charge is made for material actually used.

Each student is required to provide himself with a compound microscope and a haemocytometer equipped to meet the requirements of the work of the curriculum.

Living Expenses

The expenses of living in Chicago are less than in most large cities. From fifty to seventy-five dollars per month may be regarded as adequate for the ordinary living expenses of a student exclusive of books, clothing, railroad fare and miscellaneous needs.

The expense for books varies between $25.00 and $50.00 a year. The instructors at the beginning of each course direct their students in regard to the purchase of text-books.

Student Loan Funds

A number of loan funds have been established for the benefit of worthy students who are in need of financial aid in order to finish their courses in the University. For more detailed information apply to the Secretary of the College of Medicine.

SCHOLARSHIPS, LECTURESHIPS, PRIZES, ETC.

SCHOLARSHIPS

Rea Scholarships—Through the generosity of the late Professor R. L. Rea a fund has been provided for scholarships each year for worthy students. These scholarships are awarded annually by the officers of the Faculty.

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[1] Each student is entitled to one transcript of record, without a fee, but he must pay for extras in the way of carbon copies supplied with the original transcript or for the second request for the original.

For the session of 1929-1930, they were granted to the following students:

Ford K. Hick	Joseph Poticha
Henry Kotler	Martin Urist

(For circulars giving more detailed information concerning scholarships, apply to the Registrar of the University, Urbana.)

The following undergraduate scholarships relieve the holder of the payment of the matriculation and tuition fees:

General Assembly Scholarships—One nomination annually by each member of the General Assembly. Under the law, nominations must be received by the President of the University not later than the first Monday in July of the year in which the scholarship is to become effective.

State Military Scholarships—For World War Veterans. Special provisions passed by the General Assembly in 1919.

THE WILLIAM BEAUMONT MEMORIAL FUND

Dr. Frank Smithies of Chicago has endowed an annual prize of $100 in memory of William Beaumont, the famous surgeon of the nineteenth century who made valuable contributions to the knowledge of the digestive system. The prize is awarded to the student or faculty member of the College of Medicine who submits the best original work in the study of diseases of the alimentary tract; it is administered by a committee appointed by the Dean of the College of Medicine. The fourth award was made on June 7, 1930, to Janet Campbell Thayer, B.S.

MEMORIAL LECTURESHIP

In commemoration of members of the Alumni, Faculty and Student Body who lost their lives during the World War, the Alumni, Faculty and Students have raised a fund sufficient to establish a Memorial Lectureship. One lecture is delivered annually by a prominent educator on a subject of general medical interest.

ADOLPH GEHRMANN LECTURESHIP

In accordance with the will of Mrs. Albertina Gehrmann, widow of the late Adolph Gehrmann, for many years Professor of Bacteriology and Hygiene in the College of Medicine, the sum of $10,000 was given for the establishment and support of a Lectureship in the College of Medicine of the University of Illinois, in memory fo Dr. Gehrmann. The fifth of this series of lectures was delivered by Dr. Simon Flexner, Director of the Rockefeller Institute, New York City, on March 27 and 28, 1930, his subjects being respectively, "The Epidemiology of Poliomyelitis" and "Epidemic and Postvaccinal Encephalitis and Allied Conditions."

CHARLES S. BACON LECTURESHIP

In 1927 Dr. Charles S. Bacon on reaching the retiring age was made Professor Emeritus of Obstetrics. On this occasion the Members of the Faculty and friends of Dr. Bacon contributed the sum of $5,000 to found the Charles S. Bacon Lectureship in Obstetrics. The proceeds of this amount is used to defray the expenses of a lecture given each year at the University of Illinois College of Medicine. The second of this series of lectures was given by Dr. George Gellhorn, Professor of Gynecology and Obstetrics, St. Louis University School of Medicine, on March 6 and 7, the titles being respectively, "The Use of Local Anesthesia in Gynecology," and "Syphillis of the Uterus."

THEODORE B. SACHS RESIDENCY

The Chicago Tuberculosis Institute has granted the College $2500 a year for a period of five years to establish a Theodore B. Sachs Residency in the field of tuberculosis and allied diseases.

A series of Medico-historical Lectures is held in the Library on alternate Wednesdays during the school year. These lectures are given by the members of the faculty of the College of Medicine and of the various related departments of Urbana and by Chicago physicians and distinguished visitors interested in medical history.

THE COURSE IN THE COLLEGE OF MEDICINE

REQUIREMENTS FOR GRADUATION

A candidate for graduation must meet the following requirements:

1. He must show evidence of good moral character.

2. He must have paid all indebtedness to the college.

3. In order to receive the degree of Bachelor of Science in Medicine he must have secured grades of not less than 75% in at least three-fourths of the work of the first two years.

4. To receive the degree of Doctor of Medicine he must have spent four years in attendance, the last one at least of which must be in residence at the University of Illinois, completed the prescribed curriculum and in addition have satisfactorily finished a hospital course of not less than twelve months' duration in a hospital affiliated with or approved by the University of Illinois, or a year of research work acceptable to the University.*

Graduation With Honors

A student who complies with the requirements for graduation and who attains in all work presented for the degree, the average grade specified below, may be recommended by the University Senate for the honors stated: For an average grade of not less than 4.35, Graduation with Honors; for an average grade of not less than 4.75, Graduation with High Honors. The honors conferred shall be noted upon the diploma and commencement program.

The interpretation of this rule is carried out by the translation of the literal grade into figures as follows: A—5; B—4; C—3; D—2; E—1. The individual grades are multiplied by the respective number of semester hours which each represents and the total of these figures is divided by the number of semester hours in the curriculum for the B.S. degree and the first four years of the curriculum for the M.D. degree. The result is the student's average. If the average obtained is between 4.75 and 4.35, the student is entitled to Graduation with Honors. If the average obtained is 4.75 or higher, then the student is entitled to Graduation with High Honors.

GENERAL PLAN OF INSTRUCTION

During the first two years the work is confined mainly to the fundamental sciences, and the time of the student is largely devoted to laboratory work. During the first year this consists of work in anatomy, histology, embryology, neurology, chemistry and physiology. During the second year the study of physiology is continued and in addition the student takes up bacteriology, pathology, laboratory diagnosis, pharmacology, physical diagnosis, medicine, surgery and obstetrics and hygiene.

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*See Medical Practice Act of the State of Illinois, Senate Bill No. 439, Approved June 30, 1923, Section 5 (b).

During the third and fourth years the time is devoted to the various clinical branches, emphasis being given to practical instruction in dispensary and hospital clinics.

In the fourth year clinical clerkships are established to be operated at one time for one-fourth of the class and for a period of two months. This one-fourth of the class is further divided into four sections, one section being assigned to Medicine, one to Surgery, one to Obstetrics and one to service in outside hospitals. The students on service in outside hospitals are excused from attendance on all lectures and clinics but are held responsible for the subject matter of the courses from which they have been excused.

The fifth year consists of a twelve months' interne service in a hospital affiliated with or approved by the University. Research work may be substituted for the hospital work of the fifth year.

Students are prohibited from doing work that interferes in *any way* with the fulfillment of the requirements of the curriculum. Unofficial clinical work may not be substituted for the official requirements of the curriculum.

Electives

In the third year the student must elect two hours per week in each semester.

In the fourth year five and one-half hours per week of elective work must be taken from the optional subjects and at least one hour of these electives must be selected from the optional subjects in surgery.

This elective work of the third and fourth years may be either in preclinical or clinical subjects. A student may in this way emphasize his training in some particular subject or subjects. The elective work may be counted for graduate credit provided the student registers in a course recognized for graduate credit by the graduate faculty and can satisfy the head of the department concerned as to his ability to pursue the work he proposes to undertake.

RULES AND REGULATIONS

The rules governing such matters as examinations, promotions, failures, etc., are to be found in a booklet entitled, "Regulations for the Guidance of Undergraduate Professional Students," which is given to all students when they enter the College.

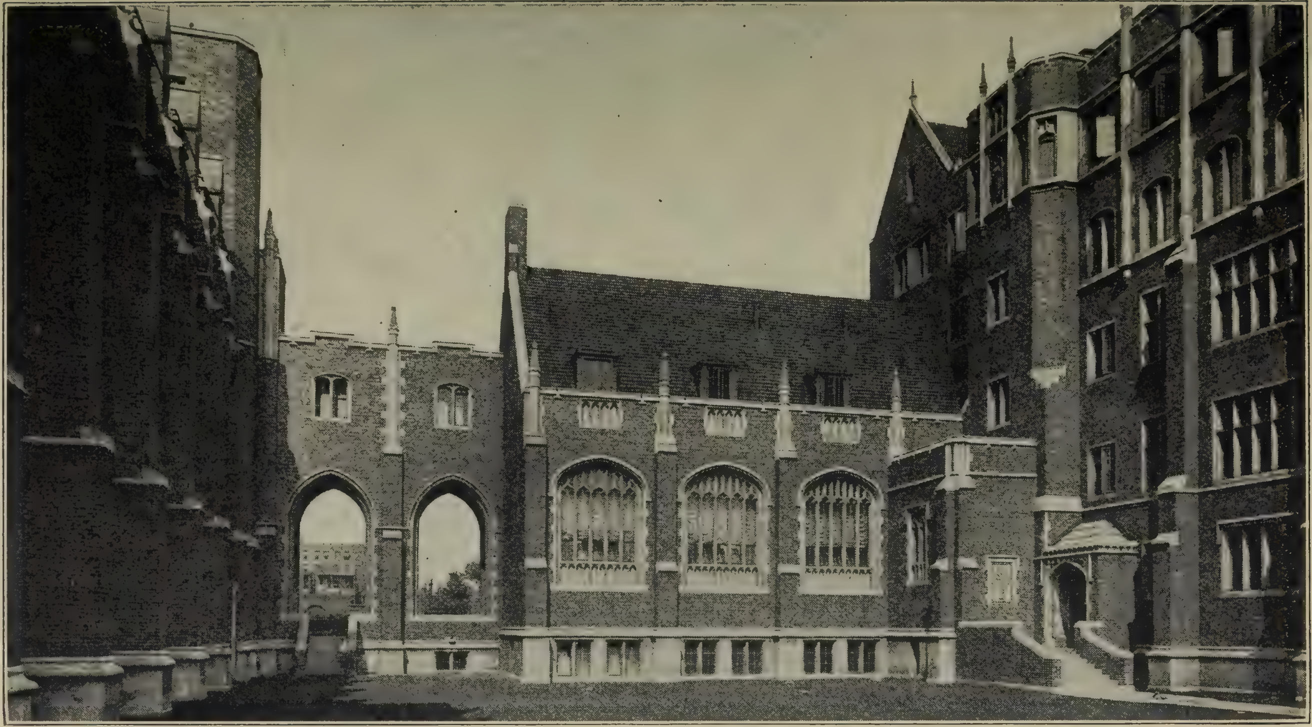
SIGNIFICANCE OF GRADES

The percentage system of grading is used, and 70% is the passing grade.

Where it is necessary to translate percentage to literal grades the following values are used: A, 92 to 100%; B, 85 to 91%; C, 75 to 84%; D, 70 to 74%.

ADMISSION TO LICENSING EXAMINATIONS IN ENGLAND

On the recommendation of the Committtee of Management of the Examining Board in England, the Royal College of Physicians and Surgeons has added the University of Illinois to the list of Universities whose medical departments are recognized by that Board. By this action, graduates of this institution are exempted from all preliminary examinations and admitted to the final licensing examination of the Examining Board.



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UNIVERSITY OF ILLINOIS

CONGRESS AND HONORE STREETS
CHICAGO

DESCRIPTIONS OF COURSES IN MEDICINE[1]

ANATOMY

Professor Kampmeier; Associate Professor Reagan; Assistant Professors Cooper, Zimmermann; Dr. von Bonin, Dr. Zechel, Dr. Joranson, Mr. Webb, Dr. Simer, Dr. Fisch, Dr. Boelio, Dr. Stein, Dr. White, Dr. Burrows, Dr. Madden, Dr. Pilka, Dr. Jacobson, Dr. Shapiro, Dr. Scuderi, Mr. Silverstone, Mr. Miller, Mrs. Fork, Mrs. Baird

Required Course—First Year

To insure greater correlation and unity in the presentation of the content of *Human Anatomy,* the following major divisions, formerly separate and independent courses, are merged into a single course. Hence, their subject matter extends in continuity throughout both semesters:

1. **Histology:** Cytology, general histology or study of fundamental tissues, and organology.

2. **Embryology:** General embryology, organogeny and teratogeny.

3. **Systematic and Regional Anatomy:** Complete dissection of the human body: superior extremity; thorax; abdomen; pelvis; inferior extremity; head and neck.

4. **Neurology:** The gross and microscopic anatomy of the nervous system, including the sense organs.

The number of clock-hours allotted to the study of each division may vary from week to week, but their total number during the year is approximately the same as that given to the respective courses in previous years: 72 hours of embryology, 72 of neurology, 144 of histology, and 288 of systematic and regional anatomy.

Lectures and demonstrations: 6; laboratory: 12 hours. *II.*

Professor Kampmeier, Associate Professor Reagan, Assistant Professor Zimmermann, Dr. von Bonin, Dr. Zechel, instructors and assistants

Required Course—Third Year

6. **Topographical Anatomy.**—Topography and relations of the various regions, systems and organs of the body; correlation of subject matter with that of clinical conditions and procedure. 2 two-hour periods. *I.*

Dr. Zechel and assistants

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[1] The Arabic numerals preceding the captions indicate the numbers of the courses. Unless otherwise specifically stated, the Arabic numerals following the description of courses indicate the number of one-hour periods. The Roman numerals *I* and *II* indicate the number of semesters over which the course extends.

ELECTIVE COURSES

51. Microscopical Technic.—Preparation of objects; injecting bloodvessels and lymphatics; maceration, digestion and corrosion, decalcification; fixation of tissues, embedding, sectioning, staining, mounting, etc. 1 two-hour period. *II*. Limited to a few qualified students. Dr. BOELIO

52. Medical Illustrating.—Drawing, including perspective values and their adaptation to the representation of medical subjects; normal and pathological specimens, both gross and microscopic; media adapted for representing certain conditions and structures, and for special methods of reproduction, such as line work, half tone and lithography. 2 two-hour periods. *I*. Limited to four students. Mr. JONES

53. Fetal Anatomy.—Dissection of late human fetuses and newborn, with consideration of problems of development, growth and fetal physiology. 2 two-hour periods. *I*. Limited to a few qualified students. Assistant Professor ZIMMERMANN

55. Preparations for Anatomical Museum.—The creation of special dissections, reconstructions, models and demonstration specimens for the anatomical teaching collection requiring skill, ingenuity, neatness and accuracy in execution. 2 two-hour periods. *I*. Limited to two or three qualified students. Professor KAMPMEIER and other members of staff

56. Physical Anthropology.—Biometric and genetic methods; phylogeny of human races; anthropometry of the living and of skeletal material; anthropogeography, racial physiology and pathology; growth of populations and racial distributions of modern man; social anthropology, racial psychology and eugenics. 2. *I*. Dr. VON BONIN

COURSES PREPARATORY TO SPECIALIZATION

60. Dissection.—This course provides for complete or partial dissection of the human cadaver and is for physicians and surgeons only. The length of the course does not exceed four months and is limited to the spring and summer periods until more space is available. Special instruction is given only if four or more persons are taking the course at the same time, and if they desire it. The fee for the period of four months is $100.00, which may be shared by not more than two students.

65. Seminar.—Critical reviews of recent anatomical literature; preparation of bibliographies and of scientific papers for publication. Presentation and discussion of the results of investigations.

Research.—Opportunity is given to physicians who wish to do investigative work and to students who have had three years of university training. A reading knowledge of French and German is essential.

COURSES FOR GRADUATES

101. Morphology, Experimental Morphology and Functional Anatomy.—Cytological and morphological changes in the organism which are directly correlated with normal processes, such as reproduction, differentiation, nutrition, growth, variation, regulation, regeneration, activity, secretion, rest, fatigue, senility, etc. *One or two units.*

Professor KAMPMEIER, Associate Professor REAGAN

102. Individual Research.—In Embryology, Cytology and Histology, Neurology, Anthropology and Biometrics, Experimental Morphology, Functional and Applied Anatomy. *One or two units.*
Professor KAMPMEIER, Associate Professor REAGAN

DERMATOLOGY

Professor SENEAR; Assistant Professor WIEN; Dr. WEBER, Dr. CORNBLEET, Dr. KRASNOW, Dr. RATTNER, Dr. STECKBAUER, Dr. CARO, Dr. PERLSTEIN, Dr. SCUDERI, Dr. BERGEN, Dr. MORTIMER, Dr. ROSENTHAL

REQUIRED COURSE—THIRD YEAR

1. Practice.—Lectures, 1. *I.* Professor SENEAR, Assistant Professor WIEN

REQUIRED COURSES—FOURTH YEAR

2. Clinic.—1. *II.* Professor SENEAR

9. Clinic.—Dispensary, including instruction in roentgenology. In sections. 3 one-hour periods. *(four weeks). I.*
Professors SENEAR, BACHEM, Assistant Professor WIEN, Dr. WEBER, Dr. CORNBLEET, Dr. RATTNER, Dr. KRASNOW, Dr. STECKBAUER, Dr. CARO, Dr. PERLSTEIN

ELECTIVE COURSES—FOURTH YEAR

50. Syphilis.—Diagnostic and therapeutic methods employed. 1. *(eight weeks). I.* Professor SENEAR, Assistant Professor WIEN

51. Dermatology.—Special diagnostic and therapeutic methods. 1. *(eight weeks). I.* Professor SENEAR, Assistant Professor WIEN

COURSE FOR GRADUATES

101. Research Work in Dermatology.—*One to three units.*
Professor SENEAR

SOCIAL HYGIENE, CRIMINOLOGY AND MEDICAL JURISPRUDENCE

Associate Professor SCHROEDER; Professor YARROS; Dr. MOHR

REQUIRED COURSE—THIRD YEAR

5. Criminology and Behavior Problems.—Principles of criminology and social hygiene as applied to medicine; venereal problems. 1. *I.*
Associate Professor SCHROEDER, Professor YARROS

REQUIRED COURSE—FOURTH YEAR

6. Medical Jurisprudence.—The principles of law governing individual and professional rights and obligations; responsibilities arising from the relation of physician and patients; confidential character and inviolability of such relation; medical laws of various states. Medical ethics. Lectures, 1. *I.* ——————

ELECTIVE COURSE—FOURTH YEAR

8. Mental Hygiene.—Mental hygiene in infancy and childhood. 1. *(eight weeks). I.* DR. MOHR

LARYNGOLOGY, RHINOLOGY AND OTOLOGY

Professor Pierce; Associate Professors Beck, Lederer; Assistant Professor Holinger; Dr. W. H. Theobald, Dr. Livingston, Dr. J. J. Theobald, Dr. Bredlau, Dr. Coombs, Dr. Schneck, Dr. Harned, Dr. Shapiro, Dr. Spiesman, Dr. Coote, Dr. Van Alyea, Dr. Guttman, Dr. Halper, Dr. Ostrom, Mr. Wessmann

Required Courses—Third Year

3. The Ear, Nose and Accessory Sinuses.—Surgical anatomy, physiology, pathology and treatment. 1. *I.* Professor Pierce, Associate Professor Lederer

11. The Mouth, Pharynx and Larynx.—Surgical anatomy, applied pathology and treatment. 1. *I.* Professor Pierce, Associate Professor Lederer

13. Clinic Dispensary.—Research Hospital. Small groups are instructed in history taking, methods of examination and treatment, under supervision. 3 two-hour periods. *(three weeks). I.* Associate Professor Lederer and staff

14. Clinical Otolaryngology.—Research Hospital. Cases of interest which have been well studied are presented before this group to illustrate the practical points in diagnosis and differential diagnosis. Pathology and indications for treatment and operation are thoroughly discussed. 1 two-hour period. *(eight weeks). I.* Associate Professor Lederer, Dr. W. H. Theobald, Dr. J. J. Theobald, Dr. S. Shapiro, Dr. Van Alyea

Elective Courses—Fourth Year

50. Advanced Anatomy and Physiology of Ear, Nose and Throat.—8 hours. Professor Pierce, Associate Professor Lederer

51. (a.) Studies in Development of the Otic Capsule.

(b.) Development of the Pneumatic Spaces of the Nose and Ear.—8 hours. Professor Pierce, Associate Professor Lederer

52. Advanced Clinical Otolaryngology.—8 hours. Associate Professor Lederer

53. Research and Experimental work in Otolaryngology.—8 hours. Professor Pierce, Associate Professor Lederer

Physician's Extension Course in Otolaryngology

80. Clinical Course.—This course is primarily intended for Post-Graduates in the Department of Otolaryngology. It is designed to present standardized methods in diagnosis and the problems of treatment based upon the pathological findings of cases in the ambulatory clinics of the Research and Educational Hospital. Case history taking, methods of examinations, special anatomy (optional)*, gross pathology and indications for treatment and operation are stressed. The work is done for the most part independently under proper supervision and direction. An effort is made to assist the students in some of the more difficult phases of their clinical work by practical demonstration courses, which are also available as review courses for men already established in special practice. The course extends over a period of four months and for three periods a year. The fee for each period of four months is $50.00. Hours: 10 to 12 a.m. and 2 to 4 p.m., six days a week. The Staff

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*The work in special anatomy is arranged for with the Department of Anatomy and it is given only during the second semester of each year. An extra fee of $50.00 is charged for a period not to exceed four months.

Course for Graduates

101. Research Work in Laryngology, Rhinology and Otology.—*One to three units.* Professor Pierce, Associate Professor Lederer

MEDICINE

Professor Williamson, *Head of Department*

INTERNAL MEDICINE

Professors Williamson, Lewison, Strauss, Keeton; Associate Professors Chauvet, Moore, Meyer, Pilot; Assistant Professors, Singer, Wilson, Sawyer, Vanderkloot, Cipriani, Propst, Perlstein, Gunnar, Freilich, Foley; Dr. Streicher, Dr. Rabens, Dr. Birch, Dr. Goldwasser, Dr. Kronenberg, Dr. Deuss, Dr. Wittelle, Dr. Klemptner, Dr. Fisch, Dr. Doepp, Dr. Feldman, Dr. Fischer, Dr. Bolotin, Dr. Dalitsch, Dr. Soloway, Dr. Richter, Dr. Rosenbloom, Dr. Raymond, Dr. Bowman, Dr. Kartoon, Dr. Nelson, Dr. Ragins, Miss Hood, Mr. Blickensdorfer, Dr. Grosz, Dr. Marshall, Dr. Golub, Dr. Becker, Dr. Gurvey, Miss Dickson

Required Courses—Second Year

2. Physical Diagnosis.—Practical drill on normal subjects; given to small sections of the class. (a) 1. *I.* (b) 1 two-hour period. *I.*
Professor Lewison, Associate Professor Chauvet, Assistant Professor Freilich

3. Practice.—Lectures and conferences with special reference to Diseases of Metabolism. 1. *I.* Professor Keeton

4. Practice.—Lectures and conferences. 2. *I.* Assistant Professor Propst

Required Courses—Third Year

5. Practice.—A general survey of the important diseases as a foundation for the clinical courses. A continuation of the similar course of the second year. 2. *II.* Assistant Professors Sawyer, Cipriani, Vanderkloot, Dr. Deuss

6. Clinic.—Research Hospital. Selected topics. (To one-half the class.) 1 two-hour period. *I.* Professor Williamson

7. Clinic.—Research Hospital. Selected topics, with special reference to Diseases of Metabolism. (To one-half the class.) 1 one-hour period. *I.*
Professor Keeton

8. Clinic.—Research Hospital. Selected topics, with special reference to Diseases of the Heart. (To one-quarter the class.) 1 two-hour period. (*eight weeks*). *I.* Professor Strauss

9. Clinic.—Cook County Hospital. Tuberculosis Wards. (To one-quarter the class.) 1 two-hour period. (*eight weeks*). *I.* Assistant Professor Freilich

10. Clinic.—Cook County Hospital. Selected topics. (To one-eighth the class.) 1 two-hour period. (*eight weeks*). *I.* Associate Professor Meyer

11. Clinic.—Cook County Hospital. Selected topics. (To one-eighth the class.) 1 two-hour period. *(eight weeks). I.* Associate Professor Pilot

13. Clinic.—Research Hospital. Selected topics. (To one-quarter class.) 1 two-hour period. *(eight weeks). I.* Dr. BIRCH

15. Clinic.—Cook County Hospital. (To one-quarter the class.) 1 two-hour period. *(eight weeks). I.* Assistant Professor GUNNAR

23. Physical Diagnosis Clinic.—Cook County Hospital. Tuberculosis Wards. (To small groups.) 1. *I.*
Professor LEWISON, Associate Professor CHAUVET, Assistant Professor FREILICH

27. Clinic.—Dispensary. Practical work on out-patients, with special stress laid upon history taking. Most of the important diseases of an ambulatory nature common to the temperate zone may be seen here. (In sections.) 3 two-hour periods. *(three weeks). II.*

Professor KEETON, Associate Professor MOORE, Assistant Professors SINGER, WILSON, GUNNAR, PERLSTEIN, FOLEY, Dr. WITTELLE, Dr. RABENS, Dr. BIRCH, Dr. STREICHER, Dr. GOLDWASSER, Dr. KLEMPTNER, Dr. FELDMAN, Dr. DOEPP, Dr. FISCHER, Dr. DALITSCH, Dr. RICHTER, Dr. ROSENBLOOM, Dr. BOLOTIN, Dr. SOLOWAY, Dr. RAYMOND, Dr. GROSZ, Dr. MARSHALL, Dr. FISCH, Dr. GOLUB, Dr. BECKER, Dr. GURVEY, Dr. KARTOON, Dr. NELSON, Dr. RAGINS, Miss DICKSON

ELECTIVE COURSES—THIRD YEAR

50. Diseases of the Gastro-intestinal Tract.—Lectures and demonstrations. 1. *I.* Associate Professor MEYER

51. Clinico-pathological Lectures and Demonstrations.—(Limited to one-eighth the class.) 1. *(eight weeks). I.* Assistant Professor SINGER

53. Principles of Medicine.—Review course. 2. *I.* Dr. KRONENBERG

REQUIRED COURSES—FOURTH YEAR

12. Seminar in the Classics of Medicine.—A study of the epoch-making contributions. (Individual assignments.) 1. *I.* Professor WILLIAMSON, Assistant Professor FOLEY, Dr. BIRCH, Dr. STREICHER, Dr. DEUSS

14. Practice.—Continuation of the course of study of previous year. Lectures, illustrated with charts and lantern slides. Diseases of the lungs and pleura, first semester; diseases of the circulatory apparatus, second semester. 1. *II.*
Professor LEWISON, Assistant Professor GUNNAR

16. Clinic.—Research Hospital. Selected topics. Special stress is laid upon the newer methods of diagnosis as applied to clinical medicine. (To one-half the class.) 1 two-hour period. *I.* Professor WILLIAMSON

18. Clinic.—Research Hospital. Selected topics. (To one-half the class.) 1 two-hour period. *I.* Associate Professor MOORE

21. Clinic.—Cook County Hospital. Selected topics, with special reference to laboratory methods. (To one-half the class.) 1 two-hour period. *I.*
Assistant Professor SINGER

22. Ward Clinic.—Research Hospital. Selected topics, with special reference to the liver and biliary apparatus. (To one-quarter the class.) 1 two-hour period. *(eight weeks). I.* Assistant Professor FOLEY

24. Ward Clinic.—Research Hospital. Selected topics, with special reference to the gastrointestinal tract. (To one-quarter the class.) 1 two-hour period. *(eight weeks). I.* Dr. Streicher

25. Ward Clinic.—Cook County Hospital. Selected topics. (To one-half the class.) 1 two-hour period. *I.* Professor Keeton

26. Clinic.—Research Hospital. Selected topics. (To one-fourth the class.) 1 two-hour period. *(eight weeks). I.* Assistant Professor Perlstein

39. Clinic.—Cook County Hospital. Selected topics with special reference to diseases of the circulatory apparatus. (To one-half the class.) 1 two-hour period. *I.* Professor Strauss

Elective Courses—Fourth Year

56. Diseases of the Heart.—With special reference to the graphic methods. 1. *I.* Professor Strauss

57. Diseases of the Blood.—Demonstration course. (Limited to fifteen students.) 1. *I.* Associate Professor Moore, Dr. Birch

58. Practical Application of Blood Chemistry.—Demonstrations and practical work. (Limited to eight students.) 1 two-hour period. *(eight weeks.) I.* Mr. Blickensdorfer

59. Clinical Parasitology.—(Limited to eight students.) 1 two-hour period *(eight weeks). I.* Miss Hood

60. Principles of Medicine.—Review course, 2. *I.* Dr. Kronenberg

61. Cardio-vasculo-renal Diseases.—Some phases of heart, kidney and blood-vessel diseases. 1. *I.* Dr. Feldman

Course for Graduates

101. Research Work in Medicine.—*One to three units.* Professor Williamson

NEUROLOGY AND PSYCHIATRY

Professors Singer, Hassin, Davis; Associate Professor Schroeder; Assistant Professors Diamond, Olkon; Dr. Low, Dr. Solomon, Dr. Paskind

Required Courses—Third Year

1. Neurology.—Didactic. 1. *I.* Assistant Professor Olkon

6. Psychiatry.—Principles of prevention. 1. *I.* Professor Singer, Associate Professor Schroeder and associates

Required Courses—Fourth Year

2. Neurology.—Lectures and demonstrations. 1. *II.* Professor Hassin

3. Dispensary.—8 two-hour periods. *I.* Assistant Professors Diamond, Olkon, Dr. Low, Dr. Solomon, Dr. Paskind

4. Psychiatry.—Lectures and case demonstrations. 1½. *I.* Professors Singer, Davis

5. Neurology.—Clinic. 1 two-hour period. *(eight weeks). I.* Assistant Professor Diamond, Dr. Low, Dr. Solomon

Elective Courses—Fourth Year

50. Neuropathology.—1. *(eight weeks). I.* (Given once in each semester; limited to one-half the class.) Assistant Professor Diamond, Dr. Low

51. Clinical Psychiatry.—Psychopathic Hospital. 1 two-hour period. *(four weeks).* (Given twice in the second semester.) Professor Singer, Davis

PEDIATRICS

Professors Hess, Irish, Blatt; Assistant Professors Bower, Calvin, Rosenblum, Borovsky, Poncher; Dr. Goldberger, Dr. Chamberlin, Dr. Berman, Dr. Saltiel, Dr. Weinfeld, Dr. Furby, Dr. Engerman, Dr. Cohen, Dr. Levin, Dr. Pauker, Dr. Gasul, Dr. Halpern, Dr. Leichenger, Dr. Suldane, Dr. Brown, Dr. Tigay, Dr. Markin, Dr. Bronstein, Dr. Pugh, Miss Teeters

Required Courses—Third Year

1. Practice and Clinic.—Nutrition and nutritional disturbances in infancy. Lectures; clinical conferences. 1. *I.* Professor Hess

4. Practice.— Recitations. 1. *I.* Professor Irish and assistants

5 Clinic.— Cook County Hospital. In groups. 1 one-hour period. *(eight weeks). I.* Assistant Professor Calvin

6. Clinic.—Cook County Hospital. In groups. 1 one-hour period. *(eight weeks). I.* Assistant Professor Rosenblum

9. Clinic.—Cook County Hospital. Contagious diseases. In groups. 2. *(four weeks). I.* Assistant Professors Bower, Borovsky

Required Courses—Fourth Year

10. Clinic.—Dispensary; Research Hospital. In sections. 3 two-hour periods. *(four weeks). I.* Dispensary Staff

12. Clinic.—Cook County Hospital. In groups. 1 two-hour period. *I.* Professor Hess

13. Clinic.—Cook County Hospital. Physical diagnosis and demonstration of cases. In groups. 1 two-hour period. *(eight weeks). I.* Professor Irish

14. Clinic.—Cook County Hospital. In groups. 1 two-hour period. *(eight weeks). I.* Professor Blatt

Elective Courses—Fourth Year

52. Clinical Pediatrics.—Research Hospital. 1. *I.* Dr. Robins, Dr. Poncher

53. Laboratory Diagnosis.— Research Hospital. 1 two-hour period. *(eight week). I.* Dr. Poncher

56. Pediatrics.—Mental Hygiene in infancy and childhood. 1. *(eight weeks). I.* Dr. Mohr

Course for Graduates

101. Research Work in Pediatrics.— *One to three units.* Professor Hess

ROENTGENOLOGY

Professors Hartung, Bachem

Required Course—Fourth Year

4. Roentgenology.—Application of Roentgen rays to medicine and surgery. *2. I.* Professor Hartung

Elective Course—Fourth Year

50. Principles of Physiotherapy.—X-ray, radium, ultra-violet, diathermy, etc. 1. *I.* Professor Bachem

Physicians' Extension Course in Roentgenology

80. Clinical Course.—Designed for those desiring to take up roentgenology as a specialty. Includes theoretical and practical teaching of the use of roentgen rays and radium for diagnosis and treatment. Offers opportunity to observe the technique of all standard roentgen examinations. Instruction given in interpreting findings on films and fluoroscopic screen and in the application of radiation to superficial and deep lesions. This course extends over two semesters of four months each and no applicant is accepted for registration for less than the full period. Number limited. Hours: 8:30 to 12 a. m., 2 to 5 p. m. Fee for each semester, $100.00. The Staff

HISTORY OF MEDICINE

Dr. Cigrand

Elective Course—Fourth Year

51. History of Medicine.—1. *I.* Dr. Cigrand

OBSTETRICS AND GYNECOLOGY

Professor Falls, *Head of Department*

Associate Professor Fischmann; Assistant Professors Lang, Hammond, Stone, Lackner, Lash; Dr. Newberger, Dr. Hoffman, Dr. Fitzgerald, Dr. Rose, Dr. Martin, Dr. Hark, Dr. McGuire, Dr. Maryan, Dr. Skiles, Dr. Litt, Dr. Bacon, Dr. Busby, Dr. Bloomfield, Dr. Koback, Dr. Summmerville, Dr. Belous, Dr. Stephens, Dr. Jacobson, Dr. Swenson, Dr. Hill, Dr. Lesage, Dr. Kaplan

OBSTETRICS

Required Course—Second Year

1. Physiology of Pregnancy and Labor.—*2. I.* Assistant Professors Hammond, Lash, Dr. Fitzgerald, Dr. Martin, Dr. Skiles, Dr. Hark, Dr. Litt

REQUIRED COURSES—THIRD YEAR

2. Pathology of Pregnancy and Labor and the Puerperium.—Lectures, quizzes and demonstrations. *2. I.*

Professor FALLS, Assistant Professor LACKNER, Dr. ROSE, Dr. NEWBERGER, Dr. MCGUIRE, Dr. FITZGERALD, Dr. MARTIN, Dr. HARK, Dr. LITT, Dr. MARYAN

3. Manikin.—Obstetrical operations are demonstrated and practice is afforded the student to do the operation on the manikin under supervision and to become thoroughly familiar with the instruments and technique of such operations. The work is given to small groups so that individual instruction is possible. One-fourth class. 1 two-hour period. *(eight weeks). I.*

Assistant Professor HAMMOND, Dr. MARTIN, Dr. MARYAN, Dr. HARK

4. Clinics.—Clinics are held for small groups at Cook County Hospital, Mt. Sinai Hospital, Research and Educational Hospital. 1 two-hour period. *(eight weeks). I.*

Professor FALLS, Assistant Professor LASH, Dr. FITZGERALD, Dr. NEWBERGER

7. Dispensary out-clinic.—3 two-hour periods. *(three weeks). I.*

Dr. ROSE, Dr. MARTIN, Dr. HARK, Dr. BACON, Dr. MARYAN, Dr. LITT, Dr. BUSBY, Dr. BLOOMFIELD, Dr. KOBACK, Dr. SUMMERVILLE, Dr. BELOUS, Dr. STEPHENS, Dr. JACOBSON, Dr. SWENSON, Dr. HILL, Dr. LESAGE

ELECTIVE COURSES—THIRD YEAR

(Will not be given for less than 5 or more than 15 students)

50. Toxemias of Pregnancy.—1. *I.*	Assistant Professor LACKNER
51. Physiology of Pregnancy.—1. *I.*	Dr. LITT
52. Puerperal Sepsis.—1. *I.*	Dr. NEWBERGER
53. Sterility and Conception.—1. *I.*	Dr. STONE
54. Review Course.—1. *I.*	Dr. HARK

REQUIRED COURSES—FOURTH YEAR

10. Clinic.—Research and Educational Hospital. To small groups. 1 two-hour period. *(eight weeks). I.* Professor FALLS

15. Obstetrical Laboratory.—The student studies gross and microscopic specimens of the more common obstetrical complications such as ruptured uterus, ablatio placenta, puerperal sepsis, ectopic pregnancy, hydatid and blood moles, and various diseases and abnormalities of the fetus and newborn. Bacteriological as well as pathological material is presented and fresh specimens when available. 1 two-hour period. *(four weeks). I.*

Assistant Professor LASH, Dr. MARYAN, Dr. HARK, Dr. LITT

ELECTIVE COURSES—FOURTH YEAR

(Will not be given for less than 5 or more than 15 students.)

55. Obstetrical Pathology.—1. *I.*	Assistant Professor LASH
56. Heart Complications in Pregnancy.—1. *I.*	DR. FITZGERALD
57. Manikin.—1. *I.*	Dr. HARK
58. Review Course.—1. *I.*	Dr. ROSE

Course for Graduates

101. Research Work in Obstetrics and Gynecology.—*One to three units.* Professor Falls

GYNECOLOGY

Required Courses—Fourth Year

1. Lecture and quiz.—1. *II.*
Professor Falls, Associate Professor Fischmann, Assistant Professors Stone, Lackner, Lash, Dr. Hoffman, Dr. Hark

4. Seminar.—1. *(eight weeks). I.*
Assistant Professor Lang, Dr. Hoffman, Dr. Maryan, Dr. Koback

7. Clinic.—Cook County Hospital. Operative and demonstration course. 1 two-hour period. *(eight weeks). I.* Professor Falls

15. Clinic Dispensary.—Small groups are instructed in history taking and physical examinations and are permitted to treat minor gynecological complaints under supervision. 3 two-hour periods. *(three weeks). I.*

Associate Professor Fischmann, Assistant Professors Lang, Hammond, Stone, Lash, Dr. Hoffman, Dr. Hark, Dr. McGuire, Dr. Bacon, Dr. Busby, Dr. Koback, Dr. Summerville, Dr. Belous, Dr. Jacobson, Dr. Swenson, Dr. Kaplan

16. Gynecological Laboratory.—Gynecological pathology is studied from gross and miscroscopic specimens. 1 two-hour period. *(four weeks). I.*
Assistant Professor Lash, Dr. Hark, Dr. Maryan, Dr. Litt

Elective Courses—Fourth Year

50. Pelvic Neoplasms.—1. *I.* Associate Professor Fischmann

51. Pelvic Inflammation.—1. *I.* Assistant Professor Lash

52. Uterine Hemorrhages.—1. *I.* Assistant Professor Stone

53. Menstrual Disorders.—1. *I.* Dr. McGuire

56. Preoperative and Post-operative Gynecological Treatment.—1. *I.*
Assistant Professor Lang

57. Gynecological Diagnostic Methods.—1. *I.*
Assistant Professor Lackner

OPHTHALMOLOGY

Associate Professor Beard; Assistant Professor Smith, Dr. Folk, Dr. Cohen, Dr. Wolf, Dr. Apple

Required Courses—Fourth Year

1. Clinic and Practice.—Dispensary, clinic and laboratory course. This includes the normal and pathological anatomy of the eye, practice in the use of ophthalmoscope, perimeter, focal light and test charts, and the study of those eye diseases which the general practitioner most frequently encounters. The student is especially trained in the taking of histories of eye patients. 5 two-hour periods. *(four weeks). I.* Dr. Folk, Dr. Wolf

2. Didactic Ophthalmology.—Illustrated lectures and quizzes. 1. *I.*
Associate Professor Beard, Dr. Folk

ELECTIVE COURSE—FIFTH YEAR

50. Ophthalmology.

1. Methods of Clinical Examination (9-12 a. m. daily), 12 months.

PHYSICIANS' EXTENSION COURSES IN OPHTHALMOLOGY

6. Clinical Course.—Designed for those who wish to take up ophthalmology as a specialty. The course affords individual training in standardized methods. The work is of a practical case-study nature.

A given method of process, such as retinoscopy or perimetry, is first explained and demonstrated. The physician is then assigned a case in which the data have been previously determined by the instructor. The physician makes an independent study and reports his findings to the instructor for criticism and grading. The process is continued until a reasonable degree of accuracy has been attained. Only one process is studied at a time. Processes taught are: I. Determination of Central Visual Acuity, Neutralization of Lenses, Retinoscopy, Refraction (with Cycloplegia and without), Tonometry, Determination of Degrees of Strabismus or Paralysis, Types of Discs (Elschnig's Classification); II. Measurement of Disc Levels, Perimetry, Objective Findings in External and Fundus Diseases, Case-History Writing and Diagnosis, Prognosis, and Treatment of a given case as a whole. This course extends over three periods of four months each, and no applicant is accepted for registration for less than the full twelve months. The first four months' work covers the first seven processes, the second four months covers the next four, and the last four months complete the course. Pahtology is taken with undergraduate students. In the third period classical monographs are abstracted. Hours: 9 to 12 a. m., 6 days per week.

The fee for each period of four months is $50.00. THE STAFF

7. Pathology of the Eye.—Four months. Hours to be arranged. *I.*
Associate Professor BEARD

PATHOLOGY AND BACTERIOLOGY

Professors DAVIS, PETERSON, ARNOLD; Associate Professor PILOT; Assistant Professors LEVINSON, HULL, GOLDBERG; Dr. RAPPAPORT, Dr. NEDZEL, Dr. MILLES, Dr. PARMACEK, Dr. KREMER, Dr. KLEPPE, Mr. LEPAK, Mr. MOORE, Miss PAULSEN, Miss SCROUGINS, Mrs. GUSTAFSON

REQUIRED COURSES—SECOND YEAR

*__1. General Bacteriology and Protozoology.__—Pathogenic bacteria and protozoa. Immunity. Lectures, demonstrations; 3: laboratory; 6 hours. *I.*
Professor ARNOLD, Dr. NEDZEL and assistants

2. General Pathology and Pathological Histology.—General pathology; gross and miscroscopic study of fresh and preserved pathological material. Lectures, recitations, demonstrations; 3: laboratory; 9 hours. *I.*
Professor PETERSEN, Associate Professor PILOT, Assistant Professor LEVINSON and assistants

4. Clinical Pathology.—Chemical and microscopical examination of urine, feces and blood, with special emphasis on technique. Lectures and demonstrations; 1: laboratory; 4. *I.* Assistant Professor LEVINSON and assistants

5. Preventive Medicine.—An introductory course. General principles of prevention of disease. Epidemiology. 2. *I.*
Professor ARNOLD, Assistant Professor HULL

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*Not to be given during 1930-'31.

Required Courses—Third Year

24. Autopsies.—Routine postmortem examinations, practical work and demonstrations. 1 two-hour period. *I.*
Professor Petersen, Associate Professor Pilot, Assistant Professor Levinson

25. Special Pathology.—Gross and microscopic examination of pathological material, postmortem bacteriology and experimental pathology. 1 three-hour period. *I.*
Professor Petersen, Associate Professor Pilot, Assistant Professor Levinson

Required Course—Fourth Year

29. Public Health.—Organization of health departments and the work of the divisions of the same; vital statistics, inspection of schools and factories; sanitation, food supply and control; public welfare. Lectures and practical work. 4. *(eight weeks). I.*
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Elective Courses

51. Advanced Work and Research.—(Limited to properly qualified students.) Time by special arrangement. Professors Davis, Petersen, Arnold

55. Diagnosis of Tumors.—(Open to students who have had courses in general and special pathology.) Time by special arrangement.
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Courses for Graduates

101. Advanced Pathogensis.—Pathology and Bacteriology. *One or two units.* Professors Davis, Petersen, Arnold

105. Individual Research.—*One or two units.*
Professors Davis, Petersen, Arnold

PHARMACOLOGY, MATERIA MEDICA AND THERAPEUTICS

Professor McGuigan; Assistant Professor Camp; Mr. Ewing; ————

Required Courses—Second Year

(Prerequisites: Physiology, Course No. 4, or equivalent; Physiological Chemistry, Course No. 6, or equivalent.)

1. Pharmacology.—Lectures; 2: laboratory; 4. *I.*
Professor McGuigan, Assistant Professor Camp, Mr. Ewing, ————

4. Pharmacology.—Lectures or quizzes; 3: laboratory; 4. *I.*
Professor McGuigan, Assistant Professor Camp, Mr. Ewing, ————

Required Course—Third Year

5. General Therapeutics and Pharmacy.—2. *I.* Professor McGuigan

Elective Courses

(Minimum registration: 5 students for each course)

50. History of Pharmacology and Toxicology.—Review of modern books pertinent to the subject. Professor McGuigan, Assistant Professor Camp

51. Materia Medica.—Prescription writing.
Professor McGuigan, Assistant Professor Camp

52. Toxicology.—Symptomatology, pathology, treatment and identification of poisons. Professor McGuigan, Assistant Professor Camp

53. Systemic Pharmacology.—(a) Eye, (b) digestive systems, (c) respiratory system, (d) autonomic nervous system, (e) blood, (f) circulatory organs, heart and kidneys. Professor McGuigan, Assistant Professor Camp

Courses for Graduates

101. Advanced Pharmacodynamics.—*One or two units.*
Professor McGuigan, Assistant Professor Camp

103. Research Work in Pharmacodynamics.—*One or two units.*
Professor McGuigan, Assistant Professor Camp

PHYSIOLOGY AND PHYSIOLOGICAL CHEMISTRY

Professors Dreyer, Welker; Associate Professors Bergeim, Oslund; Assistant Professor Reed; Dr. Cole, Dr. Boor, Mr. Johnson, Mr. MacFate, Miss Briggs, Mr. Dismukes, Mr. Welsh, Mr. Thomas, Mr. Burns, Mr. Vessey

Required Courses—First Year

4. Physiology.—Blood and lymph, muscle and nerve, circulation, respiration. Lectures and recitations; 4: demonstration and laboratory; 3. *I.*
Professor Dreyer, Associate Professor Oslund, Assistant Professor Reed and assistants

6. Physiological Chemistry and Toxicology.—Lectures, demonstrations, conferences; 3: laboratory; 8. *I.* Professor Welker, Associate Professor Bergeim, Dr. Cole, Dr. Boor, Mr. Johnson, Miss Briggs and assistants

Required Course—Second Year

5. Physiology.—Secretion, digestion and absorption, excretion, metabolism, special senses, central nervous system. Lectures, recitations, demonstrations; 4: laboratory; 4. *I.* Professor Dreyer, Associate Professor Oslund, Assistant Professor Reed and assistants

Elective Courses

(Prerequisites: In physiology, courses 4 and 5, in chemistry, course 6.)

51. Advanced Laboratory Work.—Physiological demonstrations and research; graphic methods.
Professor Dreyer, Associate Professor Oslund, Assistant Professor Reed

53. Internal Secretion. Associate Professor Oslund

54. Gastro-Intestinal Tract. Assistant Professor Reed

55. Physiology of the Special Senses. Professor Dreyer

60. Special Topics in Biochemistry.—Blood analysis. Vitamine studies. Methods and clinical significance. Associate Professor Bergeim, Dr. Boor

61. Physical and Colloid Chemistry.—The elements of physical and colloid chemistry and their application to biology and medicine, with emphasis on the chemistry of the proteins. Dr. Cole

62. Preparation of Pure Proteins. Professor Welker

63. Physiological Seminar.—Members of the teaching staff and advanced students meet weekly to discuss special topics suggested by current research and the journal literature.

65. Biochemical Seminar.—The members of the teaching staff and graduate students in physiological chemistry meet weekly to discuss the current literature.

Research.—The laboratories are open to persons with the requisite scientific training for the conduct of original investigations under the direction of the members of the staff.

Courses for Graduates

101. Advanced Biological Chemistry.—Biochemical methods of research, biological colloids, enzyme action and metabolism.—*One or two units.*
Professor Welker, Associate Professor Bergeim

103. Biochemical Research.—*One or two units.*
Professor Welker, Associate Professor Bergeim

105. Advanced Physiology.—An introduction to original work in Experimental Physiology. Individual instruction in fundamental methods. Laboratory course.—*One or two units.* Associate Professor Oslund

109. Research Work in Physiology.—*One or two units.*
Associate Professor Oslund

SURGERY

Professor Hedblom, *Head of Department*

GENERAL SURGERY

Professors Hedblom, Humiston, Percy, Moorehead, Schultz, Dyas, Phifer; Associate Professor DeTarnowsky; Assistant Professors Davenport, Zimmerman, Nadeau, McArthur, Jirka, Jones, Metz, Bamberger, Post; Dr. Koucky, Dr. Seed, Dr. Crile, Dr. Zechel, Dr. Kronenberg, Dr. Joannides, Dr. Kordenat, Dr. Mora, Dr. Stephens, Dr. Wallace, Dr. Van Hazel, Dr. Graham, Dr. Wernicke, Dr. Amberson, Dr. Meyer, Dr. Oden, Dr. Willis, Dr. Stein, Dr. Delano, Dr. Ewert, Dr. Braude, Dr. Parker, Dr. Marshall, Dr. Littig

Required Course—Second Year

1. Fundamental Principles of Surgery.—Asepsis, Anaesthesia, Shock, Hemorrhage, Septicemia, Surgery of the Skin, Blood Vessels and Lymphatics, and Surgical Dressings. 2. *I.*

REQUIRED COURSES—THIRD YEAR

2. **Regional Surgery and Surgical Pathology.**—Conferences, demonstrations, recitations, 2. *II.*
Professor PHIFER, Assistant Professors BAMBERGER, POST, Dr. SEED

5. **Surgical Diagnosis.**—Research and Educational Hospital. 1. *I.*
Professor HEDBLOM

6. **Clinic.**—Research and Educational Hospital. 1 two-hour period. *(eight weeks). I.*
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7. **Clinic.**—Dispensary. Research and Educational Hospital. History taking, Diagnosis, Minor Surgery and Surgical Dressings. 3 two-hour periods. *(three weeks). II.* Assistant Professor BAMBERGER, Dr. SEED, Dr. KOUCKY, Dr. KORDENAT, Dr. AMBERSON, Dr. MEYER

11. **Clinic.**—Cook County Hospital. 1 two-hour period. *(eight weeks). I.*
Professor DYAS

13. **Clinic.**—Augustana Hospital. 1 two-hour period. *(eight weeks). I.*
Professor PERCY

ELECTIVE COURSES—THIRD YEAR

50. **Principles of Surgery.**—A review course. 2. *I.* Dr. MORA

53. **Surgery of Fractures.**—2. *I.* Dr. CRILE

54. **Preoperative and Postoperative Treatment.**—1. *I.* (Minimum number, 6 students.) Assistant Professor NADEAU

55. **Anaesthesia, Blood Transfusion, Surgical Dressings, and Bandaging.**—Individual instruction and demonstration. 1. *I.* ————————

75. **Surgical Diagnosis.**—1. *I.* Professor DYAS

REQUIRED COURSES—FOURTH YEAR

20. **Clinic.**—Research and Educational Hospital. 1 two-hour period. *(eight weeks). I.*
Professor HEDBLOM

22. **Clinic.**—Research and Educational Hospital. 1 two-hour period. *(eight weeks). I.*
Dr. SEED

23. **Clinic.**—Research and Educational Hospital. 1 two-hour period. *(eight weeks). I.*
Dr. KOUCKY

24. **Clinic.**—Cook County Hospital. 1 two-hour period. *(eight weeks). I.*
Professor DYAS

25. **Clinic.**—Washington Boulevard Hospital. 1 two-hour period. *(eight weeks). I.*
Assistant Professor METZ

26. **Surgical Pathology.**—Laboratory. 1 two-hour period. *(eight weeks). I.*
Assistant Professor NADEAU

27. **Oral Surgery.**—1 two-hour period. *(eight weeks). I.*
Professor F. W. MOOREHEAD

28. **Clinic.**—Cook County Hospital. 1 two-hour period. *(eight weeks). I.*
Associate Professor DE TARNOWSKY

32. **Clinic.**—Augustana Hospital. 1 two-hour period. *(eight weeks). I.*
Professor PERCY

33. **Clinic.**—St. Luke's Hospital. 1 two-hour period. *(eight weeks). I.*
Assistant Professors JONES, MCARTHUR

36. **Clinic.**—Cook County Hospital. 1 two-hour period. *(eight weeks). I.*
Assistant Professor JIRKA

ELECTIVE COURSES—FOURTH YEAR

51. **Regional Surgery.**—A review course. 2. *I.* Dr. MORA

52. **Operative Surgery of the Abdomen.**—1. *I.* Dr. GRAHAM, Dr. BRAUDE

58. **Surgery of the Central Nervous System.**—1. *I.*
Assistant Professor DAVENPORT

59. **Surgery of the neck.**—1. *I.* Dr. SEED

60. **Surgery of the Thorax.**—1. *I.* Professor HEDBLOM, Dr. VAN HAZEL

63. **Principles and Practice of Anaesthesia.**—1. *I.* Dr. LITTIG

64. **Surgery of the Spleen and Anaemias.**—1. *I.* Professor PERCY

65. **Surgical Diagnosis.**—1. *I.* Dr. STEPHENS

66. **Operative surgery on the cadaver.**—Regional Surgical Anatomy. Individual demonstration. 1 two-hour period. *I.* Dr. CRILE

68. **Operative surgery on animals.**—1 two-hour period. *I.* Dr. KOUCKY

70. **Research on assigned problems to those qualified.**
Professor HEDBLOM and staff

72. **Oral Surgery.**—1. *II.* Professor SCHULTZ

73. **Traumatic Surgery.**—1. *I.* Associate Professor DE TARNOWSKY

74. **Neurological Surgery.**—1. *I.* ————

COURSES FOR GRADUATES

101. **Research Work in Surgery.**—*One to three units.* Professor HEDBLOM

GENITO-URINARY SURGERY

Professor MCKENNA; Assistant Professors HERROLD, O'CONOR; Dr. HIRSCH, Dr. EWERT, Dr. PLATIN

REQUIRED COURSES—THIRD YEAR

3. **Practice.**—Conferences, recitations. In sections. 1. *I.*
Professor MCKENNA, Assistant Professors HERROLD, O'CONOR, Dr. EWERT

5. **Clinic.**—Dispensary. In sections. 3 two-hour periods. *(three weeks). I.*
Professor MCKENNA, Dr. EWERT, Dr. HIRSCH, Dr. PLATIN

ELECTIVE COURSE—THIRD YEAR

50. **Advanced Genito-Urinary Surgery.** 1. *I.*
Professor MCKENNA, Assistant Professor HERROLD, Dr. HIRSCH

REQUIRED COURSES—FOURTH YEAR

12. Clinic.—Washington Boulevard Hospital. In sections. 1 two-hour period. *(four weeks). I.* Assistant Professor O'CONOR

13. Clinic.—Research and Educational Hospital. Individual instruction in the diagnosis of genito-urinary diseases, including cystoscopy, catheterization of the ureters, interpretation of roentgenograms and of chemical and microscopical urinalyses. In sections. 1 two-hour period. *(four weeks). I.* Professor MCKENNA

ELECTIVE COURSE—FOURTH YEAR

51. Surgery of the Genito-Urinary tract. 1. *I.* Professor MCKENNA, Assistant Professor O'CONOR

ORTHOPEDIC SURGERY

Professor THOMAS; Assistant Professors HOBART, MURPHY; Dr. MARSHALL, Dr. FISCHER, Dr. ROSS, Dr. MULLIN

REQUIRED COURSES—THIRD YEAR

3. Practice.—Conferences, recitations. In sections. 1. *I.* Professor THOMAS, Assistant Professors HOBART, MURPHY; Dr. MARSHALL, Dr. FISCHER

5. Clinic.—St. Luke's Hospital. 1 two-hour period. *I.* Professor THOMAS, Assistant Professor HOBART

15. Clinic.—Dispensary. In sections. 3 two-hour periods. *(three weeks). I.* Professor THOMAS, Assistant Professors HOBART, MURPHY, Dr. MARSHALL, Dr. FISCHER, Dr. ROSS, Dr. MULLIN

ELECTIVE COURSES—FOURTH YEAR

50. Special Topics in Surgery of Joints.—Operative management of injuries and infections of the extremities and spinal column with special reference to their joints. 1. *I.* Professor THOMAS and staff

51. Surgery of Bones and Joints.—Cadaver demonstrations of operations for the reconstructions of extemity deformities; malunion and nonunited fractures; bone transplants and fusions in Pott's disease and in fractured spines; reconstruction in fractured hips; operations following infantile paralysis. 1. *I.* Professor THOMAS and staff

PROVISIONAL SUMMARY OF HOURS

FIRST YEAR

Subjects	First Semester		Second Semester		Total
	Didactic	Laboratory	Didactic	Laboratory	
Anatomy, Gross	48	96	48	96	288
Histology	24	48	24	48	144
Embryology	12	24	12	24	72
Neurology	12	24	12	24	72
Chemistry (Physiological)	48	128	..	..	176
Physiology	..	..	64	48	112
	144	320	160	240	864

SECOND YEAR

Subjects	First Semester		Second Semester		Total
	Didactic	Laboratory	Didactic	Laboratory	
Bacteriology*	48	96	..	..	..
Hygiene	32	..	..	..	32
Medicine	16	..	32	..	48
Physical Diagnosis	..	..	16	32	48
Neurology**	24	48	..	..	72
Obstetrics	..	..	32	..	32
Pathology	..	..	48	144	192
Clinical Pathology	..	..	16	64	80
Pharmacology	32	64	48	64	208
Physiology	64	64	..	..	128
Surgery	..	..	32	..	32
	168	176	224	304	872

*Not to be given during 1930-31.

**To be given only during 1930-31.

PROVISIONAL SUMMARY OF HOURS (Continued)

THIRD YEAR

Subjects	First Semester		Second Semester		Total
	Didactic	Clinical and Laboratory	Didactic	Clinical and Laboratory	
Anatomy, Topographic....	..	64	..	..	64
Autopsies	..	16	..	16	32
Pathology, Special........	..	...	..	48	48
Dermatology	..	..	16	..	16
Hygiene	..	..	32	..	32
Medicine	32	98	32	82	244
Neurology	..	..	16	..	16
Obstetrics	32	25	..	25	82
Otolaryngology	16	17	16	17	66
Pediatrics	16	12	16	12	56
Therapeutics	32	..	..	..	32
Surgery	32	50	32	50	164
Genitourinary Surgery....	16	9	..	9	34
Orthopedic Surgery......	..	25	16	25	66
Electives	32	..	32	...	64
	208	316	202	284	1016

FOURTH YEAR

Subjects	First Semester		Second Semester		Total
	Didactic	Clinical and Laboratory	Didactic	Clinical and Laboratory	
Dermatology	16	6	16	6	44
Gynecology	20	21	20	21	82
Hygiene	..	32	..	..	32
Jurisprudence	..	..	16	..	16
Medicine	16	104	32	104	256
Neurology	..	24	..	40	64
Obstetrics	..	12	..	12	24
Ophthalmology	16	20	..	20	56
Pediatrics	..	44	..	44	88
Psychiatry	..	12	..	12	24
Roentgenology	32	..	..	..	32
Surgery	..	80	..	80	160
Genitourinary Surgery....	..	8	..	8	16
Surgical Pathology........	..	8	..	8	16
Electives	88	..	88	..	176
	188	371	172	355	1086

COLLEGE ORGANIZATIONS

WEST SIDE PROFESSIONAL SCHOOLS DEPARTMENT
Y. M. C. A. OF CHICAGO

The ten-story student building is located just one block east of the College of Medicine. It has living accommodations for 370 men, especially planned for students; a spacious lounge; gymnasium, handball courts, and individual exercise rooms. It also contains several service features such as a fine cafeteria, soda fountain-luncheonette, barber shop, grill and a tailor shop.

The aim of the Association is service. It not only provides clean living accommodations for students at a nominal cost, but endeavors to interest students in its cultural programs and activities. As far as possible employment is secured for students who must earn a part of their expenses.

The institution is operated by a Committee of Management made up of representatives of the six professional schools and hospitals of this community. Special rates are given to students who are enrolled in a professional school. For further information write to the Y. M. C. A. at 1804 W. Congress Street.

ALUMNI ASSOCIATION OF THE COLLEGE OF MEDICINE OF THE UNIVERSITY OF ILLINOIS

President—A. W. De Neveau, '03, Johnson Emerg. Hosp., Milwaukee, Wis.
President-Elect—Jos. Zabokrtsky, '01, 31 N. State St., Chicago.
First Vice-President—W. W. Greaves, '03, 152 Marquette, LaSalle, Ill.
Second Vice-President—C. F. Baccus, '11, Woodstock, Ill.
Third Vice-President—J. E. Hileman, '86, San Diego, Calif.
Secretary-Treasurer—E. L. Heintz, '01, 432 S. Lincoln, Chicago.
Necrologist—F. H. Renberg, '05, 3037 Wentworth Ave., Chicago.
Member Executive Committee—W. L. Crawford, '20, Trust Bldg., Rockford, Ill.
Alumni Councillors—Wm. Harcourt Browne, '23, 2051 Sedgwick St., Chicago
J. M. Krasa, '13, 3335 W. 26th St., Chicago.
Wm. A. Mann, Jr., '21, 30 N. Michigan Ave., Chicago.
F. J. E. Ehrmann, '93, 2059 W. 21st St., Chicago.
L. M. Czaja, '11, 2421 S. Millard Ave., Chicago.
R. H. Petty, '13, Hooppole, Ill.
Clara E. Hayes, '12, Waubay, South Dakota.
J. Fisher, '87, 561 Diversey Pkwy., Chicago.
B. Shapiro, '27, 224 Sprague Ave., Liberty, N. Y.
A. F. Kaeser, '01, Highland, Ill.
E. R. Hayhurst, '08, 1925 Concord Rd., Columbus, Ohio.
M. R. Weidner, Jr., '27, 417 Lincoln, Dalton, Ill.
G. H. Musselman, '09, 122 S. Michigan Ave., Chicago.
D. Liberman, '18, 614 S. 11th St. Joseph, Mo.

ALPHA OMEGA ALPHA

Alpha Omega Alpha, an international honorary medical fraternity, with chapters in twenty-four "Class A" medical schools, was founded in the College of Medicine in 1902.

Third and fourth year medical students who have a grade of scholarship ranking them in the upper one-sixth of their class are eligible for membership.

GROUP II. CLASS OF 1930

MILTON WILLIAM EISENSTEIN
EUGENE I. FALSTEIN
GEORGE ALBERT INGRISH
LEONARD OWEN LEADER
JULIAN ANTHONY OSSMAN
FREDERICK STEIGMANN
GEORGE HEYWOOD VERNON, JR.
CHARLES MORSE WEINBERG

GROUP I. CLASS OF 1931

LEON ARIES
EDWARD DENENHOLZ
RICHARD PAUL JOHNSON
IRVING KAUFMAN
OTTO VANDERAUE
DOROTHY H. WELKER

COLLEGE OF MEDICINE OF THE UNIVERSITY OF ILLINOIS CHAPTER OF THE SOCIETY OF THE SIGMA XI

In the Spring of 1928 the Society of the Sigma Xi granted a charter for the organization of a chapter at the College of Medicine of the University of Illinois. The Society has for its object the promotion of research.

OFFICERS FOR 1930-31

Dr. W. F. Petersen, President; Dr. W. J. R. Camp, Vice-President; Dr. W. H. Welker, Secretary; Dr. I. Pilot, Treasurer; Dr. D. J. Davis, Dr. O. F. Kampmeier, Dr. H. A. McGuigan, Elective Members of the Executive Committee.

ELECTED TO ACTIVE MEMBERSHIP

Dr. T. J. BRYAN, *Technical Director of the Calumet Baking Company*
Dr. T. G. HULL, *Assistant Professor of Pathology and Bacteriology*
Dr. A. J. KOBAK, *Assistant in Obstetrics*
Dr. G. MILLES, *Instructor in Pathology*
Dr. S. ROSENTHAL, *Assistant Resident Pathologist, Cook County Hospital*
Dr. G. ZECHEL, *Instructor in Anatomy and in Surgery*
Dr. A. A. ZIMMERMANN, *Assistant Professor of Anatomy*

ASSOCIATE MEMBERS

Dr. P. BLICKENSDORFER, *Instructor in Pharmacology*
Dr. H. DEUSS, *Instructor in Medicine*
Mr. H. EGGERS, *Graduate Student*
Dr. Y. JORANSON, *Associate in Anatomy*
Dr. H. K. PILKA, *Assistant in Anatomy*
Mr. E. A. THACKER, *Graduate Student*

Papers Read Before the Society, 1929-30

"Impressions of Research Abroad," Dr. H. A. McGuigan.
"The Skin as a Vegetative Sense Organ," Dr. E. F. Muller.
"Histological Studies of Coccidioidal Granuloma," Dr. R. H. Jaffe.
"Lymph Changes Following Bulbus Pressure in Dogs," Dr. W. F. Petersen.
"Experimental Lung Abscesses," Dr. I. Pilot.
"Species Specificity of Carbon Monoxide Hemoglobin," Dr. A. K. Boor.
"An Experimental Study of Host Susceptibility to Vibrio Cholera Infections," Dr. L. Arnold.

MEDICAL RESEARCH CLUB

The Medical Research Club, the object of which is the stimulation of scientific research, meets twice a month for the discussion of original scientific contributions. Since its organization in January, 1914, many papers have been presented before the society. The spirit of generous competition and helpful criticism that prevails in this club has been a stimulus toward the production of an increasing number of valuable scientific contributions.

Graduate students and others giving promise of doing meritorious work are eligible to associate membership. Associate members have all the rights and privileges of the club except the right to vote.

Elected to Membership, 1929-1930

Active Members

Frances A. Briggs, B.S., M.S., *Assistant in Physiological Chemistry*
Gustav Zechel, M.D., *Instructor in Anatomy and in Surgery*
Arnold A. Zimmermann, Lic. in Sci., D.Sc., *Assistant Professor of Anatomy*
Thomas G. Hull, Ph.B., M.S., Ph.D., *Assistant Professor of Pathology and Bacteriology*
Alexander J. Nedzel, M.D., *Instructor in Bacteriology and Hygiene*
Franklin P. Reagan, Ph.D., *Associate Professor of Anatomy*
Alfred J. Kobak, B.S., M.D., M.S., *Assistant in Obstetrics*
A. L. Aaronson, B.S., M.D., *Instructor in Physiological Chemistry*
Ray Crosley, B.S., *Robert Carr Allergy Fellow*
Chester W. Darrow, A.B., M.A., Ph.D., *Research Psychologist, Institute for Juvenile Research*
Hans Deutsch, Ph.B., M.D., *Psychiatrist, Institute for Juvenile Research*
Jacob M. Essenberg, B.S., Ph.D., *Assistant Professor of Microscopic Anatomy, Loyola Medical School*
Abraham Ettleson, M.D., *Psychiatrist, Institute for Juvenile Research*
Ruby Faxon, B.S., M.D., *Physician, Institute for Juvenile Research*
Kenneth Francis, M.R.S., L.R.C.P., *Psychiatrist, Institute for Juvenile Research*
Sara G. Geiger, M.D., *Psychiatrist, Institute for Juvenile Research*
William J. Gillesby, S.B., *Graduate Student*
Richard H. Goldwin, A.B., *Graduate Student*
C. J. Gustafson, B.S., *Graduate Student*
Florence Hark, B.S., M.D., *Instructor in Obstetrics*
Morris A. Kaplan, B.S., *Graduate Student*
Samuel Kaplan, B.S., M.D., *Graduate Student*

Leonard Keeler, B.S., *Research Assistant, Institute for Juvenile Research*
Heinich Kluver, Ph.D., *Research Psychologist, Institute for Juvenile Research*
Harry O. Maryan, B.S., M.D., *Instructor in Obstetrics*
William A. McKee, M.D., *Psychiatrist, Institute for Juvenile Research*
George J. Mohr, B.S., M.D., *Psychiatrist, Institute for Juvenile Research*
B. E. Montgomery, B.S., *Graduate Student*
David M. Olkon, S.B., A.M., M.D., *Associate in Neurology*
Paul L. Schroeder, *Psychiatrist, Criminologist and Director of Institute for Juvenile Research*
J. Simons, B.S., *Graduate Student*
Harriet Skemp, *Resident and Clinical Assistant*
Ralph E. Terry, Ph.G., B.S., M.S., *Assistant Professor of Pharmacy*
Janet C. Thayer, B.S., *Graduate Student*
Gerhardt von Bonin, Ph.D., M.D., *Associate in Anatomy*
Joseph Yoshioka, A.B., M.A., Ph.D., *Research Psychologist, Institute for Juvenile Research*

Honorary Member

Walter H. Eddy, B.S., A.M., Ph.D., *Professor of Physiological Chemistry Teachers College, Columbia University.*

Papers Read Before the Club, 1929-30

"The Significance of the Food Vehicle in Food-Poisoning," Drs. L. Arnold and T. G. Hull.

"Fetal Bacteremia. A Contribution to the Mechanism of Intro-Uterine Infection and to the Pathogenesis of Placentitis," Dr. A. J. Kobak.

"The Intracutaneous Salt Solution Test in Thyrotoxicosis," Dr. J. M. Mora.

"The Classification of Staphylococcus Epidermidis Albus from Normal Skin and Finger-Nail Regions of the Body," Messrs. B. E. Montgomery and C. J. Gustafson.

"The Self-Disinfecting Power of the Skin and Finger-Nail Regions of the Body," Miss C. Singer.

"The Relationship Between Intestinal Diseases and Economic Status of the Population of Illinois," Dr. L. Arnold.

"Toxic Encephalitis in Children," Dr. A. A. Low.

"Late Gastric Sequelae of Corrosive Poisoning," Dr. H. A. Singer.

"Studies on the Reactivity of the Reticulo-Endothelial System: I. Feeding and Phagocytosis," Dr. J. C. Rheingold.

"Factors in the Falling Tuberculosis Death Rate," Dr. T. G. Hull.

"The Influence of Prolonged Activity on the Excitability of Medullated Nerve," Drs. T. E. Boyd and R. W. Gerard.

"Vago-Pressor Impulses and Vago-Accelerator Reactions in the Dog," Drs. C. I. Reed and J. H. Layman.

"Antigenic Absorption Through Intact Vaginal Mucosa in Humans," Mr. J. Finder, Dr. A. F. Lash and Mr. J. Simons.

"Experimental Study of Biliary Bacterial Carriers," Drs. L. Arnold and A. J. Nedzel.

"Lipoid Nephrosis," Dr. P. Shapiro.

"Thrombosis and Embolism. A Study of 1,000 Autopsies," Dr. S. Rosenthal.

"Meconium Peritonitis from Spontaneous Perforation of the Ileum in Utero," Dr. W. Boikan.

"Psychological Studies in the Aphasias," Dr. A. A. Low.
"Arteriolo-Necrotic Nephrosclerosis," Dr. Paul Klemperer.
"An Electrical Device for Grinding Tissues Under Sterile Conditions. (Moving Picture Demonstration). Dr. H. O. Maryan.
"A Comparison of the Effect of Minute Doses of Copper in Nutritional Anemia and in that Produced by Repeated Large Bleedings," Dr. C. S. Williamson and Mr. P. Ewing.
"The Fate of the Cortical Bone Graft," Drs. C. Davison and A. Kraft.
"The Capillary System and Its Probable Relationship to 'Genuine Epilepsy,'" Dr. D. M. Olkon.
"Present Status of Vitamin B," Dr. Walter H. Eddy.

DEGREES CONFERRED

Degree of Doctor of Medicine

Conferred September 1, 1929

Casimir Arthur Cywinski
Vern William Ritter, B.S.

Conferred September 12, 1929

John Talbot Gernon, B.S.

Conferred October 1, 1929

Morris Robert Weidner, Jr.

Conferred October 13, 1929

Aquil Mastri, B.S.
Charles Raymond Summers, B.S.

Conferred November 1, 1929

Edward Karl Steinkopff
Herbert John Wing

Conferred December 31, 1929

Minna Elizabeth Emch, B.S.
Michael Breinar Greenfield, B.S.
Jack D. Kirshbaum
Calvin Albert Lauer
Robert Hanawalt McCrackin, B.S.
Isadore M. Shapiro, B.S.
Arthur Sterling Webb

Conferred January 3, 1930

Sidney James MacLeod

Conferred January 31, 1930

Willard Edwin Kramer

Conferred April 1, 1930

Edwin Waldamar Edahl, B.S.

Conferred June 9, 1930

Roy Preston Garrett, B.S.
John Archibald Mathis, B.S.
Benjamin Seid, B.S.

Conferred June 15, 1930

Felix Walter Sokolowski

Conferred June 19, 1930

Edward Joseph McNulty, B.S.

Conferred June 24, 1930

Raymond Giblon Bayles
Martha Louise Dedrick, B.S.

Conferred June 30, 1930

Alexander Sanford Freeman, B.S.
Frank Joseph Lavieri, B. S.

Conferred July 1, 1930

Irving Richard Abrams, B.S.
Melvin Louis Afremow, B.S., M.S.
Marshall Wells Alcorn, B.S.
Dwight Wilson Anderson, B.S.
William Eugene Anderson, B.S.
Laurence Grant Balding, B.S.
John Goldfreed Bellows, B.S.
Clarence E. Bensema, B.S.
Earl Elmer Blanck, B.S.
Clay Stephen Boswell, B.S.
Marshall Ovid Boudry, B.S.
Levi Martin Browning
Carl Edward Clark, B.S.
John Henry Connell
Carlos Clinton Craig, B.S.
Martin Saul Croft, B.S.
James Eugene Paul Davia, B.S.
Betty Delson, B.S.
Johanna Mary Dieckmann, B.A., M.A.
Frank Emmons Drew, B.S.
Emil Gunvald Ericksen
Philmour Fink, B.S.
Sydney Richard Forkosh, B.S.
J. Wilson Gray, B.S.
Daniel Haffron, B.S.
Arthur Abraham Halevy
James Manuel Johnson, B.S.
Alfred Paul Klomhaus, B.S.
Salmon Arthur Kroft
Louis Francis Kompare, B.S.
Ikbal Krishna, A.B., B.S.
Ralph Hess Kunstadter, B.S.
Aaron Learner, B.S., M.S.
Louis Leo Levitt, B.S.
Irving David Litwack, B.S.
Naomi Therese Lucius, B.S.
George Cletus McGinnis
Alan F. McLaughlin, B.S.
Isadore Mallin, B.S.
Alvin Leroy Mathis, B.S.
Perry Julius Melnick, B.S., M.S.
George Irving Meyer
Alfred Frederick Miller, B.S.
Leo Frederick Miller, B.S.
Maurice Miller, B.S.
Randall B. Moreland, B.S.
Lawrence Moses Moore
Waldo Evans Murphy
Justin Russell Nash
Lovell Arthur Neal, B.S.
Roland Clifford Nelson, B.S.
John M. Nowak, B.S.
Frederick Dennis O'Donnell, B.S.
Dan Clark Ogle, B.S.
Irwin Lovette Oliver, B.S.
Eli Holmes Orr, B.S.
Meredith Louis Hult Ostrom, B.S., M.S.
Robert Lester Paxton, B.S.
Albert Charles Petrik, B.S.
Hugh Alexis Rasmussen, B.S.
Robert Earl Reagan, B.S.
Joseph Cyrus Reingold, B.S., M.S.
Brooks Leek Roberson, B.S.
Harold Alan Roth, B.S.
Carmen Francis Russo, B.S.
Maurice Aaron Schiller, B.S.
John Wheeler Schori
Hyman Joseph Schorr, B.S.
Samuel Schwied, B.S.
Arthur Louis Shafton, B.S., B.A.
Harry Shuger, B.S.
David Charles Simon, B.S.
Charles Otis Smith, A.B., B.S.
Kenneth John Smith, B.S.
Robert Harlie Smith, B.S.
Sam Solomon, Jr., B.S.
Percy Alfred Staley, B.S.
Alexander Louis Stearns, B.S.
Carroll W. Stuart, D.D.S., B.S., M.S.
Fred Louis Stuttle, B.S.
Arthur Alfred Tait, A.B., B.S.
Walter William Tobin, B.S.
Kenneth Houston Vinnedge, B.S.
Annette Clarke Washburne, Ph.B., B.S.
George Seymour Weiss, B.S.
Norman Arnold Wien, B.S.
Henry H. Wolf, B.S.
George Frederick Wollgast
Marshall E. Yonan, B.S.

Conferred July 9, 1930

Harold Edward Silverman

Conferred July 11, 1930

Ralph Clinton Boren, B.S.

THE DEGREE OF BACHELOR OF SCIENCE

Conferred February 5, 1930

Abel Cornelius Anthony
Clifton Felts
Theodore R. Hudson
Joseph Sherman Poticha
John Andrew Schindler
Karl William Schlegel
Bernard Isaac Skorodin
Maurice Spiegel
Nahun L. Robbin

Conferred June 7, 1930

Kent Archibald Alcorn
Lester White Baird
Harry Gregory Becker
David Andrew Bennett
Harry Berman
Edward Charles Bernell
William Edward Bretz
William Jackson Copeland
James Ebert Cravens
Edwin Frederick Dietrich
William Clay Dine, Jr.
Samuel Irwin Ditkowsky
Claire Maurice Dixon
Raymond Flowers Donovan
Murray Sayle DuMont, Ph.G.
Gilbert Harold Edwards, A.B.
Arthur Loyal Ennis
Daniel Feiman
Howard Albert Finney
George Herman Fleischli
Andrew Galloway
John Hamilton Gilmore
Ephraim Frank Goodman
Leo Jack Greenburg
Milton Handelman
Irving Maurice Harter
Rudolph Hecht
Benjamin Highman, *With Honors*
Harold Mack Hoover
Paul Hurwitz
Runyon Hungate Irvin
David Smeaton Jaffray
Clarence Francis Kelly
Elmer Joseph Kocour
Emanuel Aloysius Joseph Kominik
Harry Kotler
John Albert Layman, A.B.
Samuel Sheldon Leavitt
Abraham Leff
John Alfred Legier
David Lerner
David Leonard Lerner
Arthur Harry Levine
Ben William Lichtenstein
Max Boyd McQueen
Alfred Karl Meyer
D. Sidney Miller
Joseph Samuel Miller
Burtis Edgar Montgomery, B.S., *With Honors*
Milton Mitchell Mosko
Alfred Henry Movius, Jr.
Arthur C. Neeseman
Theodore Julius Nereim, A.B.
Robert Henry Newell
Isadore Maurice Nimsovitz
John Todd Reynolds, *With Honors*
Paul Montel Rice
Arnold Elmer Frederick Ritt
George Ronstrom
Martin Rosenthal
Harry Edward Ryan
Wililam Frank Sayle
Ambrose Daniel Schneider
Arthur Henry Schumacher
Arthur Schwartz
Norman Morrison Shure
Joseph Stagman
Isadore Elihu Steck
Louis Mark Steiner
Carl Sugar
Cecil Earl Tate
Edgar Abney Thacker, A.B.
Isadore Turowetzky
Isadore C. Udesky
Frank Rudolph Urban
Harley Roosevelt Varney
John William Wall
LaVerne Myron Wallheiser
William Hester Walton, Ph.B.
John Campbell Washington
Louis Sol Weinberg
Lorin Dixon Whittaker, A.B.
Finis Ellsworth Wilson
Robert Bruce Wilson
Adelbert Earnest Wuesteman, B.S.

Certificate Presented June 7, 1930

Students who have completed four years of scheduled work in the College of Medicine of the University of Illinois, and who, upon the completion of a year of satisfactory interneship in a hospital approved by the University, will be entitled to the degree of Doctor of Medicine.

Orville Lindsay Abbott, B.S.
Kent Archibald Alcorn
Robert Howard Allison
[5]James Sloan Altman, B.S.
Dorothy Jessie Arenz, B.S.
David Merton Banen, B.S.
Walter Earl Barton, B.S.
Jewell Lee Bass, B.S.
Albert Alan Best
Paul Verco Brinley, B.S.
Martin Van Brown, B.E.
Behle Basil Burns, B.S.
William Tracy Burton, B.A.
Eugene Spencer Busby, B.S.
Alvin Howard Clark, B.S.
[2]Frances Almeda Cline, B.S.
Roger Brandt Coglon, B.S.A.
Irving Dreyer, B.S.
Henry William Eggers, B.S.
Benjamin Eisenberg
Milton William Eisenstein, B.S.
Nathan Epstein, B.S.
Eugene Isadore Falstein, B.S.
Jerome Gordon Finder, B.A., B.S.
Charles Finkelstein, B.S.
Nicholas Francona, B.S.
Bernard Frazin, B.S.
Leo Gamberg
Elmer Deloss Gay, B.S.
Jacob Benjamin, B.S.
Otis Beryl Giltner, B.S.
William Everett Glass, B.S.
[6]Noel Eugene Gordon, B.S.
James Edward Graham, B.S.
Harry Greenstein, B.S.
Freeman Curtis Harris
Robert B. Hemphill
Herman Stewart Hendrickson, B.S.
[1]David Allen Herstein
Ford Kimmel Hick, B.S., *With Honors*
Albert Dabney Hurt, B.S.
George Albert Ingrish, B.S.
Dan DeWitt Jamison
Joseph Janofsky, B.S.
Albert Herbert Jenkins, B.S.
Esther Concordia Johnson, B.S.
Louis David Joseph
Frank Burt Kaiserman, B.S.
Sol Stein Kaufman, B.A., B.S.
Irving Edward Kaveney, B.S.
[7]Ernest Quong King, A.B.
Robert Dana Knapp, B.S.
Lyle Burnside Knight, B.A.
Noah Meyer Koenigsberg, B.S.
Samuel H. Kraines, B.S.
David Herman Lando, B.S.
Albert Herman Lazere, A.B.
Leonard Owen Leader, B.S.
Leo Adrian Lee
Samuel Levine
Louis Robert Limarzi, B.S.
Hugo Long
Earl Matthew Lustgarten, A.B.
Dick Cauthen McCool, Jr., B.S.
Lynn Pope McGoldrick
Robert Glen McMillan
Charles Andrew Mack, B.S.
Wilford John Mason, A.B.
Jack Greene Mearns, A.B., B.S.
Sidney David Mesirow, B.S.
Charles Himes Metzel, A.B.
William Edward Miller, B.A., B.S.
James Wilbur Moreland
Lawrence Joseph Murphy, B.S.
Virgil LeRoy Murphy
O. Harold Muus, A.B., B.S.
Julian Anthony Ossman, B.S.
Louis Phillips
Frank Joseph Piszkiewicz, B.S.
Alfred George Rice, B.S.
Dwight William Rice, B.S.
Roy Otis Riser, B.S.
Nahum L. Robbin
James J. Rodgers, B.S.
Robert Rodin, B.S.
Perry W. Ross, Ph.G.
Max Rulney, B.S.
[3]Allen Lucien Sabin
Herman Albert Sacks, B.S.
Martin Henry Seifert, Ph.G., B.S.

Guy Emil Seymour, A.B., B.S.
Louis Willard Shabat, B.S.
Samuel Shapiro
George Shropshear, B.S.
Henry Abraham Siegal, B.S.
Irvin Siegel, B.S.
Abraham Simon, B.S.
Jack D. Singer, B.S.
Bernard Skorodin, B.S.
[8]William Roan Smith
Frederick Steigmann, B.S.
D. Louis Steinberg, B.S.
John Wayne Stevens, B.S.
William Thomas Stickley, B.S.
James Eugene Simmer Stroh, B.S.
Peter Strofs, B.S.
Clifford Patrick Sullivan, B.S.
James Sherwood Taylor, B.S.
Janet Campbell Thayer, B.S.
Philip Thorek, B.S.
Joseph S. Tschetter
Benjamin Edward Twitchell, A.B., B.S.
Francis James P. Twohey, B.S.
Martin Jerome Urist
Louis Stephen Varzino, B.S.
George Heywood Vernon, Jr., A.B., B.S.
Henry Eugene Vogel, B.A.
David Wagner, B.A.
Charles Morse Weinberg, B.S.
Ben Ide Weininger, B.S.
Charles P. Whalen, B.S.
Irving Wolinsky, B.S.
Waldo Waite Wynekoop, B.S.
[4]Louis Clide Young
Maurice L. Young, B.S.

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[1] Aug. 2, 1929
[2] Aug. 20, 1929
[3] Sept. 5, 1929
[4] Sept. 17, 1929
[5] Sept. 20, 1929
[6] Nov. 15, 1929
[7] Dec. 4, 1929
[8] July 1, 1929

REGISTER OF STUDENTS

SESSION OF 1930-31

FIFTH YEAR CLASS—HOSPITAL APPOINTMENTS

Ancker Hospital	O. Harold Muus
St. Paul, Minn.	
Augustana Hospital	Behle Basil Burns
Chicago, Illinois	A. Dabney Hurt
Bellevue Hospital	James E. Graham
New York, N. Y.	
Buffalo City Hospital	Henry E. Vogel
Buffalo, N. Y.	
California Hospital	Herman Stewart Hendrickson
Los Angeles, Calif.	Maurice L. Young
Charity Hospital Hospital	Sol S. Kaufman
New Orleans, La.	Guy E. Seymour
Cook County Hospital	Kent A. Alcorn
Chicago, Illinois	Charles Finkelstein
	*Nicholas T. Francona
	Bernard Frazin
	Ford Kimmel Hick
	George Albert Ingrish
	*Joseph Janofsky
	Albert H. Jenkins
	Frank B. Kaiserman
	Noah Koenigsberg
	*Leonard O. Leader
	Adrian Lee
	Laurence J. Murphy
	Julian Anthony Ossman
	Herbert A. Sacks
	*Henry A. Siegal
	Irving Siegel
	*Abraham Simon
	Bernard Skorodin
	*Frederick Steigmann
	*Janet S. Thayer
	*David Wagner
	Benjamin Weininger
Englewood Hospital	Leonard O. Leader
Chicago, Illinois	
Evangelical Hospital	Samuel Shapiro
Chicago, Illinois	
Evanston Hospital	Martin Henry Seifert
Evanston, Illinois	

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*Begin January 1, 1931

Frances Willard Hospital Chicago, Illinois	Leo Gamberg Earl M. Lustgarten D. Louis Steinberg
General Hospital of Fresno Co. Fresno, Calif.	William T. Burton
Grady Hospital Atlanta, Georgia	Orville L. Abbott
Grant Hospital Chicago, Illinois	Dan DeWitt Jamison Jack Singer Peter Strofs Joseph S. Tschetter
Hollywood Hospital Hollywood, Calif.	Lynn P. McGoldrick James W. Moreland
Indianapolis City Hospital Indianapolis, Indiana	Charles P. Whalen
Kansas City General Hospital Kansas City, Missouri	Jewell Lee Bass
Latter Day Saints Hospital Salt Lake City, Utah	Elmer D. Gay
Lutheran Deaconess Hospital Chicago, Illinois	Dwight William Rife Max Rulney William Roan Smith
Lutheran Memorial Hospital Chicago, Illinois	Nahum L. Robin
Maria Beard Deaconess Hospital Spokane, Washington	Charles H. Metzel
Mercy Hospital Davenport, Iowa	Otis Beryl Giltner
Methodist Hospital of Southern Calif. Los Angeles, California	Louis Phillips
Michael Reese Hospital Chicago, Illinois	Irving Dreyer Milton Eisenstein Albert H. Lazere [1]Abe I. Ramenofsky Irving Wolinsky
Mount Sinai Hospital Chicago, Illinois	Albert A. Best Benjamin Eisenberg Nathan Epstein Jacob B. Gier Harry Greenstein Charles M. Weinberg
Oak Park Hospital Oak Park, Illinois	Samuel Levine
Providence Hospital Seattle, Washington	Roger B. Coglon
Research and Educational Hospital Chicago, Illinois	Esther C. Johnson Louis R. Limarzi Roy Otis Riser James Sherwood Taylor

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[1] Began February 1, 1930

Roseland Community Hospital Chicago, Illinois	Nicholas T. Francona
Sacramento Hospital Sacramento, California	John Wayne Stevens
Seattle General Hospital Seattle, Washington	Irving Edward Kaveney
Seattle City Hospital Seattle, Washington	James E. Stroh
St. Joseph's Hospital Milwaukee, Wisconsin	David H. Lando
St. Louis City Hospital St. Louis, Missouri	Alfred G. Rice James J. Rodgers
St. Mary's Mercy Hospital Gary, Indiana	Charles A. Mack
St. Luke's Hospital Chicago, Illinios	Robert G. McMillan Francis J. Twohey George H. Vernon, Jr.
St. Vincent's Hospital Indianapolis, Indiana	Virgil Leroy Murphy
Swedish Covenant Hospital Chicago, Illinois	[2]Halvard Wanger
U. S. Marine Hospital No. 5 Chicago, Illinois	Jack Greene Mearns
U. S. Naval Hospital Brooklyn, New York	Freeman C. Harris
U. S. Naval Hospital Mare Island, California	Benjamin E. Twitchel
Washington Park Community Hospital Chicago, Illinois	Frank Bert Kaiserman
West Suburban Hospital Oak Park, Illinois	R. Howard Allison Walter E. Barton Paul V. Brinley Eugene S. Busby W. Everett Glass Robert B. Hemphill Hugo Long Dick McCool, Jr.
Research Work, Department of Pathology and Bacteriology, University of Illinois, College of Medicine	William E. Miller

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[2] Began May 1, 1930

FOURTH YEAR CLASS, 1929-30

Abbott, Orville Lindsay, B.S.	*Illinois*
Alcorn, Kent Archibald, B.S.	*Illinois*
Allison, Robert Howard	*Illinois*
Anthony, Abel Cornelius, B.S.	*British Guiana, S.A.*
Arenz, Dorothy Jessie, B.S.	*Illinois*
Banen, David Merton, B.S.	*Illinois*
Barton, Walter Earl, B.S.	*Illinois*
Bass, Jewell Lee, B.S.	*Illinois*
Best, Albert Alan	*Illinois*
Brinley, Paul Verco, B.S.	*Illinois*
Brown, Martin Van	*Illinois*
Burns, Behle Basil, B.S.	*Utah*
Burton, William Tracy, B.S.	*Utah*
Busby, Eugene Spencer, B.S.	*Mississippi*
Clark, Alvin Howard, B.S.	*Illinois*
Coglon, Roger Brandt, B.S.A.	*Washington*
Dreyer, Irving, B.S.	*Illinois*
Eggers, Henry William, B.S., M.S.	*Indiana*
Eisenberg, Benjamin	*Illinois*
Eisenstein, Milton William, B.S.	*Illinois*
Epstein, Nathan, B.S.	*Illinois*
Falstein, Eugene I., B.S.	*Illinois*
Finder, Jerome Gordon, B.A., B.S., M.S.	*Illinois*
Finkelstein, Charles, B.S.	*Illinois*
Francona, Nicholas T., B.S.	*Illinois*
Frazin, Bernard, B.S.	*Illinois*
Gamburg, Leo	*Illinois*
Gay, Elmer Deloss, B.S.	*Illinois*
Gier, Jacob Benjamin, B.S.	*Illinois*
Giltner, Otis Beryl, B.S.	*Illinois*
Glass, William Everett, B.S.	*Illinois*
Graham, James Edward, B.S.	*Illinois*
Greenstein, Harry, B.S.	*Illinois*
Harris, Freeman Curtis	*Illinois*
Hemphill, Robert Begg	*Illinois*
Hendrickson, Herman Stewart, B.S.	*Wisconsin*
Hick, Ford Kimmel, B.S.	*Illinois*
Hughes, Marc Jacob	*Iowa*
Hurt, Albert Dabney, B.S.	*Mississippi*
Ingrish, George Albert, B.S.	*Illinois*
Jamison, Dan DeWitt	*Illinois*
Janofsky, Joseph, B.S.	*Illinois*
Jenkins, Albert Herbert, B.S.	*Illinois*
Johnson, Esther Concordia, B.S.	*Illinois*
Joseph, Louis David	*Illinois*
Kaiserman, Frank, B.S.	*Illinois*
Kaufman, Sol Stein, B.A., B.S.	*Mississippi*
Kaveney, Irving Edward, B.S.	*South Dakota*
Knapp, Robert Dana, B.S.	*Montana*
Knight, Lyle Burnside, B.A.	*South Dakota*

Koenigsberg, Noah Meyer, B.S.	*Illinois*
Kraines, Samuel H.	*Illinois*
Lando, David Herman, B.S.	*Wisconsin*
Lazere, Albert Herman, A.B.	*Iowa*
Leader, Leonard Owen, B.S.	*Illinois*
Lee, Adrian	*Illinois*
Levine, Samuel	*Illinois*
Limarzi, Louis Robert, B.S.	*Illinois*
Long, Hugo	*Illinois*
Lustgarten, Earl Matthew, A.B.	*Illinois*
McCool, Dick Cauthen, Jr., B.S.	*Mississippi*
McGoldrick, Lynn Pope	*Montana*
McMillan, Robert Glen	*Illinois*
Mack, Charles Andrew, B.S.	*West Virginia*
Mason, Wilford John, A.B.	*Utah*
Mearns, Jack Greene, A.B., B.S.	*Michigan*
Mesirow, Sidney David, B.S.	*Illinois*
Metzel, Charles Himes, A.B.	*Wisconsin*
Miller, William Edward, B.A., B.S.	*Illinois*
Moreland, James Wilbur	*North Dakota*
Murphy, Laurence Joseph, Jr., B.S.	*Illinois*
Murphy, Virgil LeRoy	*Illinois*
Muus, O. Harold, A.B., B.S.	*North Dakota*
Ossman, Julian Anthony, B.S.	*Illinois*
Phillips, Louis	*Illinois*
Piszkiewicz, Frank Joseph, B.S.	*Illinois*
Rice, Alfred George, B.S.	*Illinois*
Rife, Dwight William, B.S.	*Illinois*
Riser, Roy Otis, B.S.	*Illinois*
Robbin, Nahum L., B.S.	*Illinois*
Rodgers, James J., B.S.	*Tennessee*
Rodin, Robert, B.S.	*Illinois*
Ross, Perry W., Ph.G.	*Illinois*
Rulney, Max, B.S.	*Illinois*
Sacks, Herbert Albert, B.S.	*Illinois*
Seifert, Martin Henry, Ph.G., B.S.	*Illinois*
Seymour, Guy Emil, A.B., B.S.	*Illinois*
Shabat, Louis Willard, B.S.	*Illinois*
Shapiro, Samuel, B.S.	*Illinois*
Shropshear, George, Jr.	*Illinois*
Siegel, Henry Abraham, B.S.	*Illinois*
Siegel, Irving, B.S.	*Illinois*
Simon, Abraham, B.S.	*Illinois*
Singer, Jack D., B.S.	*Illinois*
Skorodin, Bernard Isaac, B.S.	*Illinois*
Smith, William Roan	*Illinois*
Steigmann, Frederick, B.S.	*Illinois*
Steinberg, D. Louis, B.S.	*Illinois*
Stevens, John Wayne, B.S.	*Illinois*
Stickley, William Thomas, B.S.	*Illinois*
Strofs, Peter, B.S.	*Illinois*

Stroh, James Eugene Simmer, B.S.	*Washington*
Sullivan, Clifford Patrick, B.S.	*Illinois*
Taylor, James Sherwood, B.S.	*Illinois*
Thayer, Janet Campbell, B.S., M.S.	*Illinois*
Thorek, Philip, B.S.	*Illinois*
Tschetter, Joseph S.	*South Dakota*
Twitchell, Benjamin Edward, A.B., B.S.	*Illinois*
Twohey, Francis James Patrick, B.S.	*Illinois*
Urist, Martin Jerome	*Illinois*
Varzino, Louis Stephen, B.S.	*Illinois*
Vernon, George Heywood, Jr., A.B., B.S.	*Illinois*
Vogel, Henry Eugene, B.A.	*Wisconsin*
Wagner, David, B.A.	*Wisconsin*
Weinberg, Charles Morse, B.S.	*Illinois*
Weininger, Benjamin Ide, B.S.	*Illinois*
Whalen, Charles Peter, B.S.	*Illinois*
Wolinsky, Irving, B.S.	*Illinois*
Wynekoop, Waldo Waite, B.S.	*Illinois*
Young, Maurice L., B.S.	*Illinois*

THIRD YEAR CLASS, 1929-30

Akina, Henry, B.S.	*Hawaii*
Ambrose, Stephen Hedges, B.S.	*Illinois*
Aries, Leon Judah, B.S.	*Illinois*
Baer, Walter Hilmar, B.S.	*Illinois*
Baker, Ransom Bright, A.B.	*Illinois*
Barnett, Andrew F.	*Illinois*
Bell, Herbert Joseph	*Illinois*
Benda, Barbara Florence, B.S.	*Illinois*
Benensohn, Solomon J., B.S.	*Illinois*
Berger, Louis, B.S.	*Illinois*
Bloom, Charles Robert, B.S.	*Illinois*
Brezina, Helen Clara, B.S.	*Illinois*
Brown, Walter Scott, A.B.	*Alabama*
Burstein, Harry, S.B.	*Wisconsin*
Carow, Theodore Moffett, B.S.	*Illinois*
Carter, Clifford Lewis	*Illinois*
Cerny, Alvin Jay, B.S.	*Illinois*
Chapman, Henry I., B.S.	*Illinois*
Clotfelter, David Wanless	*Illinois*
Cohen, Bernard M., B.S.	*Illinois*
Cohen, David, B.S.	*Illinois*
Countryman, George Lester, B.S	*North Dakota*
Cox, Elwood Hunter, B.S.	*Mississippi*
Cress, Henry Noah	*Illinois*
Croell, Levia Edward	*Illinois*
Davis, James Wesley	*Illinois.*
Davis, Landis Young, B.S.	*Illinois*
Denenholz, Edward Jack, B.S.	*Illinois*
Dietrich, Edwin Frederick, B.S.	*Illinois*
Dismukes, Jack Bernard, B.S.	*Alabama*

Donkle, Milton Judson, B.A.	*Wisconsin*
Dorman, Henry Pickett, B.S., M.S., Ph.D.	*Illinois*
Eddy, Corinne Schenck	*Indiana*
Edinburg, Jacob J., B.S.	*Illinois*
Effron, David Vernon, B.S.	*Illinois*
Erich, John B., B.S.	*Illinois*
Evans, Edward Graham, B.S.	*Illinois*
Felts, Clifton, B.S.	*Illinois*
Fishel, Glen Francis, B.S.	*Illinois*
Fox, William, B.S.	*Illinois*
Galloway, Andrew, B.S.	*Illinois*
Garland, John Courier, B.S.	*Illinois*
Gillesby, William James, S.B.	*Illinois*
Glenner, Robert Joseph, B.S.	*Illinois*
Groppe, Harry Robert Charles, B.S.	*Illinois*
Gulbrandsen, Lars Freman	*Illinois*
Hansen, Stephen John, B.S.	*Illinois*
Hartley, Theodore, B.S.	*Illinois*
Herman, Alfred Helmar, B.S.	*Illinois*
Hallenberg, Robert Wesley, B.S.	*Minnesota*
Hofer, Ernest Joseph, B.S.	*South Dakota*
Horwitz, Bernard, B.S.	*Illinois*
Hudson, Theodore R., A.B., B.S.	*Illinois*
Hyman, Samuel, B.S.	*Illinois*
Jacobs, Howard Matthew, B.S.	*Illinois*
Johnson, Richard Paul, B.S.	*Illinois*
Johnston, Kenneth P., B.S.	*Illinois*
Kaplan, Hyman Joseph, A.B., B.S.	*Illinois*
Kaplan, Morris Aaron, B.S.	*Illinois*
Kaplan, Philip, B.S.	*Illinois*
Kaufman, Charles Herman, B.S.	*Illinois*
Kaufman, Irving, B.S.	*Illinois*
Kenward, Roy L., B.S.	*Illinois*
Klein, Reuben, A.B., B.S.	*Illinois*
Krakow, Clarence Samuel	*Illinois*
Kuehl, Frederick Otto, B.S.	*Wisconsin*
Kurschner, David Milton, B.S.	*New York*
Kweder, David James	*Illinois*
Larson, Wilbur Mayo	*Illinois*
Latham, Frank Alexander, B.S.	*Mississippi*
Lerner, David, B.S.	*Illinois*
Lipow, Eugene George, Ph.G., B.S.	*Illinois*
Loseff, Samuel Alvin, B.S.	*Illinois*
Merritt, James Francis, B.S.	*Illinois*
Muhs, Emil Otto, B.S.	*South Dakota*
Neeseman, Arthur Christin, B.S.	*Illinois*
Newell, Robert Henry, B.S.	*Illinois*
Nye, William A.	*Illinois*
Oakes, Harold Forest, B.S.	*Illinois*
Olsen, Roger Ralph, B.S.	*Illinois*
Ponzer, Ernest Dewitt Richard, B.S.	*Illinois*

Poticha, Joseph, B.S.	*Illinois*
Price, Sydney, B.S.	*Illinois*
Quillman, Frank L.	*Illinois*
Quisling, Gunnar, B.S.	*Wisconsin*
Quisling, Ralph, B.S.	*Wisconsin*
Rafferty, Theodore Newell, B.S.	*Illinois*
Ragins, Alex Benjamin, B.S.	*Illinois*
Reznick, Samuel, B.S.	*Illinois*
Ritt, Arnold Elmer Frederick, B.S.	*Illinois*
Riskind, Lester, B.S.	*Illinois*
Ross, Edward	*Illinois*
Rubin, Harold Xavian, B.S.	*Illinois*
Rue, Doran Therman, A.B., B.S.	*Illinois*
Saberman, Meyer Isadore, B.S.	*Illinois*
Sandberg, Ivan M., B.S.	*Illinois*
Sanfilippo, Paul Dominic, B.S.	*Illinois*
Schell, Milton Charles	*Illinois*
Schindler, John Andrew, B.S.	*Illinois*
Schlegel, Karl William, B.S.	*Illinois*
Schnepp, Keneth H., A.B., B.S.	*Illinois*
Schoenecker, Edgar Albert	*Wisconsin*
Schutz, William Jack, B.S.	*Illinois*
Shapiro, Louis Bernard, B.S.	*Illinois*
Shaw, Maurice Maceo, A.B., B.S.	*Illinois*
Silverstone, Eugene Henry, B.S., Ph.C.	*Illinois*
Simons, Joseph, B.S.	*Illinois*
Singer, Charlotte H., B.S., M.S.	*Illinois*
Smith, Francis Kirk, B.S.	*Illinois*
Smith, Russell Lee, B.S.	*Illinois*
Sommer, Conrad Samuel, B.S.	*Illinois*
Spiegel, Maurice Joseph, B.S.	*Illinois*
Stark, Walter Alfred, A.B.	*Illinois*
Strohl, Everett Lee, A.B., B.S.	*Illinois*
Swanson, Paul Edgar, B.S.	*Illinois*
Taft, Emanuel, B.S.	*Illinois*
Taylor, Marion Meredith, B.E., B.S.	*Illinois*
Terman, Louis Arlington, B.S.	*Illinois*
Thelen, Leo Leonard	*Illinois*
VanDerAue, Otto Ernest, B.S.	*Illinois*
Wachowski, Theodore John, B.S.	*Illinois*
Waters, Carl Fremont	*Illinois*
Welker, Dorothy Hutchinson, A.B., B.S.	*Illinois*
Wente, Constantin Frederick	*Illinois*
Wilson, Arthur D.	*Illinois*
Wixted, John Francis, A.B., B.S.	*Massachusetts*
Woodford, Lester Melvin, B.S.	*California*
Zeitlin, Howard, B.S.	*Illinois*

SECOND YEAR CLASS, 1929-30

Appelman, Benjamin	*Illinois*
Aronofsky, Edward	*Illinois*

Baird, Lester White, B.S.	*Illinois*
Becker, Harry Gregory, B.S.	*Illinois*
Bennett, David Andrew, B.S.	*Illinois*
Berman, Harry, B.S.	*Illinois*
Bernell, Edward Charles, B.S.	*Illinois*
Bretz, William Edward, B.S.	*Illinois*
Brooks, George Freeman	*Illinois*
Budd, John Phillip	*Illinois*
Buky, Fannie R.	*Illinois*
Carr, Herman John Edward	*Iowa*
Chobot, Jerry	*Illinois*
Conley, Thomas Joseph	*Illinois*
Copeland, William Jackson, A.B., B.S.	*Massachusetts*
Cravens, James Ebert, B.S.	*Illinois*
Diesner, Howard George	*Illinois*
Dine, William Clay, Jr., B.S.	*Illinois*
Ditkowsky, Samuel Irwin, B.S.	*Illinois*
Dixon, Claire Maurice, B.S.	*Illinois*
Domke, Delmar Eichler	*Illinois*
Donovan, Raymond Flowers, B.S.	*Illinois*
DuMont, Murray Sayle, Ph.G., B.S.	*Illinois*
Edelman, Maurice Irwin	*Illinois*
Edwards, Gilbert Harold, A.B., B.S.	*Illinois*
Endres, Fred Carl, B.S.	*Illinois*
Ennis, Arthur Loyal, B.S.	*Illinois*
Erenberg, Leon Marius	*Illinois*
Feiman, Daniel, B.S.	*Illinois*
Feinerman, Albert Hyman	*Illinois*
Finney, Howard Albert, B.S.	*Illinois*
Firth, John Oscar, B.S.	*Illinois*
Fleischli, George Herman, B.S.	*Illinois*
Galin, Jack	*Illinois*
Geymer, George Cullom	*Illinois*
Gilmore, John Hamilton, B.S.	*Illinois*
Goldenberg, George	*Illinois*
Goodman, Ephraim Frank, B.S.	*Illinois*
Greenburg, Leo Jack, B.S.	*Illinois*
Gustafson, Carl Julius, B.S.	*Illinois*
Handelman, Milton, B.S.	*Illinois*
Harter, Irving Maurice, B.S.	*Illinois*
Hecht, Rudolph, B.S.	*Illinois*
Henner, Robert	*Illinois*
Hickerson, Robert Grantham	*Illinois*
Highman, Benjamin, B.S.	*Illinois*
Holleman, William Wallace	*Illinois*
Hoover, Harold Mark, B.S.	*Illinois*
Hubata, Joseph Allan, A.B.	*Illinois*
Hurwitz, Paul, B.S.	*Illinois*
Irvin, Runyon Hungate, B.S.	*Illinois*
Jaffray, David Smeaton, B.S.	*Illinois*
Jones, Warren Fon	*Kansas*

Kanter, Charles D.	*Illinois*
Kazakevich, John Joseph	*Illinois*
Kelly, Clarence Francis, B.S.	*Illinois*
Kocour, Elmer Joseph, B.S.	*Illinois*
Kominik, Emanuel Aloysius Joseph, B.S.	*Illinois*
Koppa, Thaddeus Marion	*Illinois*
Kotler, Harry, B.S.	*Illinois*
Layman, John Albert, A.B., B.S.	*Kentucky*
Leavitt, Samuel Sheldon, B.S.	*Illinois*
Lederman, Irving	*Illinois*
Leff, Abraham, B.S.	*Illinois*
Legier, John Alfred, B.S.	*Illinois*
Lemberg, David Alvin	*Illinois*
Lerner, David, B.S.	*Illinois*
Lerner, David Leonard, B.S.	*Illinois*
Levine, Arthur Harry, B.S.	*Illinois*
Lichtenstein, Ben William, B.S.	*Illinois*
Love, Loren Lennoth	*Illinois*
McCune, Robert, Jr.	*Illinois*
McQueen, Max Boyd, B.S.	*Illinois*
Malstrom, Bernard Edward	*Illinois*
Masor, Nathan Allen	*Illinois*
Mauzey, Armand Jean, B.S.	*Illinois*
Meyer, Alfred Karl, B.S.	*Iowa*
Miller, Sidney, B.S.	*Illinois*
Miller, Harry Dudley, Jr.	*Illinois*
Miller, Joseph Samuel, B.S.	*Illinois*
Montgomery, Burtis Edgar, B.S., B.S., M.S.	*Illinois*
Mosko, Milton Mitchell, B.S.	*Illinois*
Movius, Alfred Henry, Jr., B.S.	*Illinois*
Nereim, Theodore Julius, A.B., B.S.	*Illinois*
Nimsovitz, Isadore Maurice, B.S.	*Illinois*
Orloff, Morris Philip	*Illinois*
Pohovey, Rose	*Illinois*
Rettberg, William Anton Henry	*Illinois*
Reynolds, John Todd, B.S.	*Illinois*
Rezek, George Henry, A.B.	*Illinois*
Rice, Paul Montel, B.S.	*Illinois*
Richmond, Samuel Irving	*Illinois*
Ronstrom, George, B.S.	*Illinois*
Rosenthal, Martin, B.S.	*Illinois*
Ryan, Harry Edward, B.S.	*Illinois*
Sayle, William Frank, B.S.	*Illinois*
Schneider, Ambrose Daniel, B.S.	*Illinois*
Schumacher, Arthur Henry, B.S.	*Illinois*
Schwartz, Arthur, B.S.	*Illinois*
Seidmon, Edward Edgar Park, Ph.G., B.A.	*Illinois*
Seron, Vaheh M., S.B.	*Illinois*
Seymour, Fred William	*Illinois*
Shallenberger, Paul Lawrence	*Illinois*
Shapiro, Hilerd J.	*Illinois*

Shuger, Michael Hershel	*Illinois*
Shure, Norman Morison, B.S.	*Illinois*
Shurtz, Thelma Leota	*Illinois*
Sinay, Max	*Illinois*
Stagman, Joseph, B.S.	*Illinois*
Steck, Isadore Elihu, B.S.	*Illinois*
Steiner, Louis Mark, B.S.	*Illinois*
Sugar, Carl, B.S.	*Illinois*
Tate, Cecil Earl, B.S.	*Illinois*
Thacker, Edgar Abney, A.B., B.S.	*Illinois*
Turowetzky, Isadore, B.S.	*Illinois*
Udesky, Isadore C., B.S.	*Illinois*
Urban, Frank Rudolph, B.S.	*Illinois*
Varney, Harley Roosevelt, B.S.	*Illinois*
Wall, John William, B.S.	*Illinois*
Wallheiser, LaVerne Myron, B.S.	*Illinois*
Walton, William Hester, Ph.B., B.S.	*Illinois*
Washington, John Campbell, B.S.	*Illinois*
Weinberg, Louis Sol, B.S.	*Illinois*
Weiss, Morris	*Illinois*
Werner, Merrill John	*Illinois*
Whittaker, Lorin Dixon, A.B., B.S.	*Illinois*
Wilson, Finis Ellsworth, B.S.	*Illinois*
Wilson, Robert Bruce, B.S.	*Illinois*
Wuesteman, Adelbert Earnest, B.S., B.S,	*Illinois*

FIRST YEAR CLASS, 1929-30

Akkeron, Alfred Fred	*Illinois*
Albright, Arthur Cartwright, B.S.	*Illinois*
Anslinger, Cyril Jacob	*Illinois*
Balding, Bruce Ned, A.B.	*Illinois*
Ballin, Misha	*Illinois*
Bartlum, Joseph Shawl	*Illinois*
Baskin, Lester Sidney	*Illinois*
Bauer, Paul Barnabus	*Illinois*
Becker, Maurice Loren	*Illinois*
Bedard, Robert Edward	*Illinois*
Bepko, Marie Kathrine	*Illinois*
Bernstein, Arthur	*Illinois*
Bernstein, Harold Carroll	*Illinois*
Bernstein, Samuel Leonard	*Illinois*
Bezman, Harry S.	*Illinois*
Birgerson, Alexander Oscar	*Illinois*
Bonnell, Ellis	*Illinois*
Branch, Charles Elmer	*Illinois*
Brodsky, Harry	*Illinois*
Burroughs, Donald Dinsmore	*Illinois*
Buyer, Morris	*Illinois*
Cawthorne, Harold Jesse, A.B.	*Illinois*
Chern, Bernard Victor	*Illinois*
Christian, William Arnold	*Illinois*

Cirrincione, Francis Anthony	*Illinois*
Cohen, Jacob	*Illinois*
Cohen, Melvin Russell	*Illinois*
Collins, Robert Bruce	*Illinois*
Comess, Oscar H.	*Illinois*
Conklin, James Oliver	*Illinois*
Cooper, Harry	*Illinois*
Costigan, Clarence Stephen	*Illinois*
Coyne, Albert Donald	*Illinois*
Crystal, Harry Meyer	*Illinois*
Darnall, Fred	*Illinois*
DeBourcy, Harry Carroll, A.B.	*Illinois*
Demski, Casimir	*Illinois*
Dickens, Helen Octavia	*Illinois*
Dickinson, Clyde Allan	*Michigan*
Dillman, Lucius Matlock	*Kansas*
Dunn, Max M.	*Illinois*
Dushkin, Milton Arnold	*Illinois*
Dyko, William Edward	*Illinois*
Ellis, Claude Irving	*Illinois*
Ellis, James Caleb, A.B.	*Illinois*
English, Harlan	*Illinois*
Farinacci, Maurice Gragiano	*Illinois*
Fara, Frank Joseph, Jr.	*Illinois*
Farlander, Leland Kenneth	*Illinois*
Feinhandler, Emanuel	*Illinois*
Fox, Nathan S.	*Illinois*
Francona, Anthony	*Illinois*
Freda, Vincent	*Illinois*
Freeman, Ralph Waldo, A.B.	*Illinois*
Furby, Seeley B.	*Illinois*
Gittlestein, Sam Sigmund	*Illinois*
Golden, David Robert	*Illinois*
Goldstein, Samuel Morris	*Illinois*
Gordon, Hyman	*Illinois*
Gottlieb, Abraham Mitchell	*Illinois*
Gottlieb, Jacob D.	*Illinois*
Green, Frank Bernard	*Illinois*
Greenstein, Bernard Louis	*Illinois*
Gusinow, Nathan Richard	*Illinois*
Gustafson, Wesley Avel	*Illinois*
Gustin, Charles Julian	*Illinois*
Hanley, Deloss Reed	*Illinois*
Harris, James Frank	*Illinois*
Hawkins, Kyle C.	*Illinois*
Helfer, Lewis Michael	*Illinois*
Hendricks, Clifford Alva	*Illinois*
Herndon, Zelma Lamb, B.S.	*Illinois*
Herrmann, Ross Edward	*Illinois*
Holtzman, Sam	*Illinois*
Humphreys, John B.	*Illinois*

Ingber, Nathan	*Illinois*
Jacobs, William Francis	*Illinois*
Johnson, Eric Gunnar	*Sweden*
Johnson, Stephen Patrick	*Illinois*
Jordan, Gerard Michael	*Indiana*
Karpass, Victor Herbert	*Illinois*
Katz, Charles	*New York*
Katz, Samuel Franklin	*Illinois*
Kearney, Cletus Timothy	*Illinois*
Kennedy, Edward Thomas	*Illinois*
Kersey, George Thomas	*Illinois*
Klotz, Maurice	*Illinois*
Klow, Sidney Deutsch	*Illinois*
Knapp, Joseph Louis	*Illinois*
Koransky, David Sydney	*Illinois*
Krevitt, Julius Maurice	*Illinois*
Kruglick, Jack	*Illinois*
Larkin, Leo Carroll	*Illinois*
Lawder, Homer Lee, A.B.	*Illinois*
Levin, Harry Orrin	*Illinois*
Levin, Sam O.	*Illinois*
Levine, Albert Joseph	*Illinois*
Levy, Jacob	*Illinois*
Lewis, Kenneth Elbert	*Illinois*
Lipnitzky, Samuel J.	*Illinois*
Lipstein, Morris Lester, Ph.G.	*Illinois*
Lustig, Julius	*Illinois*
Makovsky, Irwin Harry	*Missouri*
Manelis, Samuel	*Illinois*
Marks, Meyer B.	*Illinois*
Matthei, Louis Philip	*Illinois*
Meyers, Isadore	*Illinois*
Miller, Howard Russell, A.B.	*Illinois*
Mishkin, Irving	*Illinois*
Mouzakeotis, Theodore C.	*Illinois*
Narodick, Philip Howard	*Illinois*
Neece, Gus Warlick	*Illinois*
Nefsky, Albert	*Illinois*
Ocasek, William, Jr.	*Illinois*
Parker, Eugene Madison	*Illinois*
Patka, Joseph Aloysius	*Illinois*
Prohaska, John Van, B.S.	*Illinois*
Purves, Samuel Arthur	*Illinois*
Puumala, Reino Hendrick	*Montana*
Radner, David Benjamin, Ph.G.	*Illinois*
Reed, William John	*Illinois*
Rome, Sol	*Illinois*
Roos, Fred	*Illinois*
Rose, Gabriel	*Illinois*
Rossman, Edward John	*Illinois*
Saruk, Fred S.	*Illinois*

Schneider, Leo William	*Illinois*
Schubert, Abraham Boris	*Illinois*
Schuman, Irving	*Illinois*
Schwerer, Herman M., A.B.	*Illinois*
Scott, Robert Sinclair	*Illinois*
Sendra, Edward Francis	*Illinois*
Shapiro, Bernard	*Illinois*
Shinglman, Willard Edwin	*Illinois*
Silverstein, Norman	*Illinois*
Simmons, Joseph Dale	*Illinois*
Singer, Sol	*Illinois*
Sladek, William Robert	*Illinois*
Smith, Gilbert Elden	*Illinois*
Smith, Robert Archie	*Illinois*
Speer, Ralph Edgerton	*Illinois*
Stamler, Maurice	*Illinois*
Steiner, Edward Joseph	*Illinois*
Syslo, Edward Albert	*Illinois*
Telford, Leroy Thomas	*Illinois*
Teton, Joseph B.	*Illinois*
Thode, Joseph B.	*Illinois*
Thomas, Paul Gustav	*Illinois*
Thomas, Clyde Oral	*Illinois*
Turner, Samuel Julius	*Illinois*
Urbanek, Frank Edward, B.S.	*Illinois*
Vail, Harry Fleming	*Illinois*
Vesely, Harry Charles	*Illinois*
Voris, Frank Burkhart	*Illinois*
Wacker, Maxwell N.	*Illinois*
Waldman, Irwin Jerome	*Illinois*
Walker, Joseph Monroe, Jr.	*Illinois*
Wallace, Marion Margaret	*Illinois*
Weatherly, James Alexander	*Illinois*
Weihe, Arthur Rudolph	*Illinois*
Weisdorf, William	*Illinois*
Welty, Jack Worthington	*Illinois*
Werbel, Ernest William	*Illinois*
Werch, Solomon Carl	*Illinois*
Westland, Richard Elroy	*Illinois*
Widerborg, Robert Elmer	*Illinois*
William, Ernest Bernard	*Illinois*
Winsberg, James Alfred	*Illinois*
Wolfe, Albyn Garrett	*Illinois*
Zak, Thadeus	*Illinois*
Zhiburtovich, John D., A.B.	*Illinois*
Ziedman, Irving, A.B.	*Illinois*
Zimmerman, Lazar Eli	*Illinois*
Zimring, Allan Joseph	*Illinois*
Zolt, Nathan	*Illinois*

UNIVERSITY OF ILLINOIS
THE GRADUATE SCHOOL

Graduate Courses in Medicine and Dentistry

DEPARTMENTS OF

Anatomy; Dental Therapeutics; Dermatology; Juvenile Behavior; Laryngology, Rhinology and Otology; Medicine, Pediatrics and Bio-Physics; Metallurgy; Obstetrics and Gynecology; Ophthalmology; Oral Surgery; Orthodontia; Pathology and Bacteriology; Pharmacology; Physiology and Physiological Chemistry; Surgery.

Announcement of
Summer Quarter of 1930, June 6-August 29
and Session of 1930-31
1930

THE GRADUATE SCHOOL

THE EXECUTIVE FACULTY[1]

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ARTHUR HILL DANIELS, Ph.D., *Professor of Philosophy and Dean of Graduate School*

ROGER ADAMS, Ph.D., *Professor of Organic Chemistry*

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ARTHUR BYRON COBLE, Ph.D., *Professor of Mathematics*

MAXWELL JAY DORSEY, Ph.D., *Professor of Pomology*

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HENRY PERLY RUSK, M.S., *Professor of Beef Cattle Husbandry*

FRED WILBUR TANNER, Ph.D., *Associate Professor of Bacteriology*

ARTHUR CUTTS WILLARD, B.S., *Professor of Heating and Ventilation*

STANDING COMMITTEE ON GRADUATE WORK IN MEDICINE AND DENTISTRY

DAVID JOHN DAVIS, Ph.D., M.D., *Chairman*

FREDERICK BOGUE NOYES, B.S., D.D.S., D.Sc.

HUGH ALISTER MCGUIGAN, Ph.D., M.D.

CARL ARTHUR HEDBLOM, M.D., Ph.D.

WILLIAM HENRY WELKER, Ph.D., *Secretary*

THE TEACHING FACULTY[2]

1930-31

DAVID JOHN DAVIS, Ph.D., M.D., *Dean of the College of Medicine, Professor of Pathology and Bacteriology and Head of the Department, and Director of Graduate Work in Medicine*

WILLIAM HENRY WELKER, Ph.D., *Professor of Physiological Chemistry*

HUGH ALISTER MCGUIGAN, Ph.D., M.D., *Professor of Pharmacology, Materia Medica and Therapeutics and Head of Department*

OTTO FREDERICK KAMPMEIER, Ph.D., M.D., *Professor of Anatomy and Head of Department*

FREDERICK BROWN MOOREHEAD, M.S., D.D.S., M.D., *Professor of Oral and Plastic Surgery and Oral Pathology and Head of Department*

WILLIAM F. PETERSEN, M.D., *Professor of Pathology and Bacteriology*

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[1] The administration of the Graduate School is conducted by the Executive Faculty, appointed from year to year by the President on nomination of various departments and recommendations of the Dean of the Graduate School.

[2] The Teaching Faculty includes all those who at any time give courses of strictly graduate character. Such courses are accepted for major credit and are numbered one hundred and upwards. For the present such courses are offered by the above faculty.

Frederick Bogue Noyes, A.B., D.D.S., Sc.D., *Professor of Orthodontia and Head of the Department and Dean of the College of Dentistry*

Olaf Bergeim, Ph.D., *Associate Professor of Physiological Chemistry*

Albert Bachem, Ph.D., *Professor of Bio-Physics*

Frederick Howard Falls, B.S., M.S., M.D., *Professor of Obstetrics and Gynecology and Head of Department*

Carl Arthur Hedblom, M.D., Ph.D., *Professor of Surgery and Head of Department*

Julius Hayes Hess, M.D., *Professor of Pediatrics*

Norval Pierce, M.D., *Professor of Laryngology, Rhinology and Otology and Head of Department*

Frances Eugene Senear, M.D., *Professor of Dermatology and Head of Department.*

Charles Spencer Williamson, M.D., *Professor of Medicine and Head of Department*

Lloyd Arnold, M.D., *Professor of Bacteriology and Preventive Medicine*

Robert M. Oslund, Ph.D., *Associate Professor of Physiology*

Walter John Richard Camp, M.D., Ph.D., *Assistant Professor of Pharmacology and Therapeutics*

James Roy Blayney, B.S., D.D.S., M.S., *Associate Professor of Therapeutics and Head of Department, Associate Director of the Infirmary*

Franklin P. Reagan, A.B., Ph.D., *Associate Professor of Anatomy*

Paul Louis Schroeder, B.S., M.D., *Associate Professor of Criminology, Psychiatrist, Director of Institute for Juvenile Research and State Criminologist*

GRADUATE WORK IN MEDICINE AND DENTISTRY

ADMISSION

Admission to the Graduate School may be granted to graduates of institutions whose requirements for the bachelor's degree are substantially equivalent to those of the University of Illinois, and to applicants from other institutions approved by the Executive Faculty, as hereinafter provided. *Admission to the Graduate School does not, however, imply admission to candidacy for an advanced degree, and gives no right or claim to be so admitted. Such candidacy is determined by the faculty after the student has demonstrated by his work here, for from two to five months, that he has ability to do major work of graduate character. A mere accumulation of "credits" or "grades" is not sufficient.*

Admission to graduate courses may be granted only to those who have had the requisite undergraduate work in those courses or departments. But a student of mature age who satisfies the Director and the department concerned of his ability to pursue graduate work in a given line may be enrolled in particular graduate courses, without reference to a degree, and permitted to carry on such study or investigation under the direction of a department of the University as the department shall recommend and the Dean approve.

Application blanks for admission may be secured from the Secretary of the Committee on Graduate Work in Medicine. Every applicant must submit with his application for admission an official transcript of his college record.

REGISTRATION AND PROGRAM OF STUDY

The following regulations concerning registration and program of studies are laid out primarily for first-year students. Second-year and third-year graduate students fill out their programs irrespective of the unit value of courses, according to their needs, under the advice of their instructors.

Registration.—Each graduate student must register at the beginning of each semester.

The registration of a new student may be accepted at any time provided the student is prepared to take up courses actually under way. Credit towards the fulfillment of the residence requirement dates, however, from the time of registration and not from the beginning of the semester or year in which the student enters. Registration will not be permitted later in the year than April 1, except in the case of students who expect to continue through the summer session, or are returning to complete a year's work which has been interrupted by unavoidable circumstances. No student is permitted to attend any course in which he is not registered.

The first registration, or that on entrance, is permitted only after the student's application for admission to the Graduate School, setting forth his educational attainments, has been duly approved.

Seniors and Graduate Study.—If at the beginning of the second semester of his senior year a student, who has been in residence at least one year, is within five hours of a bachelor's degree, he may be permitted to register for courses which may count for residence for a master's degree; provided his program does not require more than twelve formal class, lecture, or laboratory exercises a week, and is approved by the Dean at the time of registration. Only students of excellent record will be allowed this privilege.

Failures.—A graduate student who fails in any course in his major subject cannot secure his degree in the same year in which the failure occurred. No condition examinations are given graduate students.

Students on the Staff.—Assistants and others on the University staff who undertake to do graduate work are permitted to take an amount of work determined by the terms of their employment. Such a student, if required by his engagements to teach more than five classes a week or to have laboratory work or supervision exceeding ten hours a week, may not receive his master's degree at the end of one year, nor his doctor's degree at the end of three.

Residence and Work Done Elsewhere.—Continuous residence and study are required of all members of the Graduate School, unless they are granted leave of absence by the Director, upon recommendation of the professor in charge of their work, for the purpose of carrying on elsewhere studies or investigations in the line of work for their degrees.

Members of the staff who have done graduate work in approved institutions elsewhere may secure credit not to exceed four units towards the master's degree by passing examinations in that work. They may complete the work for the degree by securing at least four units more while registered in the Graduate School for not less than one academic year.

Withdrawal.—If after registration a graduate student wishes to withdraw from any course or to add other work, he must first secure the necessary papers from the Director's office. If he wishes to withdraw from the University he must get clearance papers at the Director's office.

DEGREES

The Degree of Master of Science

Character of Master's Degree.—The master's degree conferred depends upon the character of the bachelor's degree. The usual practice is that A.M. shall follow A.B., and that M.S., shall follow B.S. However, this practice may be departed from in cases where the undergraduate course of study was of a kind for which some reputable institutions in this country give A.B., while others give B.S.

Amount of Work Required.—Candidates for the degree of Master of Arts or Master of Science are required to do at least one full year's work in residence, including a thesis. By this is meant from four to five unit courses each semester, or their equivalent. A unit course is one which requires ten hours of time a week through one semester, or fifteen hours of time a week through the summer quarter of twelve weeks, irrespective of the mode of distribution of that time in class work, laboratory work, and private study. Four such courses or their equivalent constitute a full *minimum* program for one semester, and eight such courses, or their equivalent, constitute the *minimum formal* year's work accepted for a master's degree. Only first-rate students are permitted to secure a degree with this minimum program.

Unless otherwise permitted, every student must take each semester at least one course open to graduate students only (courses numbered 100 and upwards).

In the first year of his graduate study each student is required to attend a minimum of four formal class, lecture, or laboratory exercises a week. In no case is he permitted during his course to attend more than twelve a week, without permission.

Grades.—Students' work is graded in five classes, A, B, C, D, and E. The last indicates a failure. D indicates unsatisfactory, though passable work.

A student who receives two units of a grade below B during his first year of graduate work may not complete the first year of residence by carrying the minimum program of eight units for the master's degree. Three units of a grade below B disqualify a student as a candidate for a degree.

A failure or absence from examination in any course may prevent the conferring of the degree; and, as already indicated, failure in any course in the major field precludes the conferring of the degree in the same year.

Majors and Minors.—A candidate for a master's degree may do all his work in one subject, or he may select a major and one minor, or a major and two minors. A major or minor denotes the field of knowledge of a department, or such part thereof as constitutes a separate and independent division of that field. For a master's degree a major is at least half the work, or a minimum of four units, for one year. Less than one unit may not be counted as satisfying the requirements of a minor without the approval of the department concerned.

Foreign Language.—The ability to use one or more of the modern languages ordinarily studied in the undergraduate curriculum is expected of all candidates for the master's degree, and in some lines of study is required. On this matter students should consult the heads of the departments in which their major subjects lie.

Master's Thesis.—Each candidate for a master's degree is required to present a thesis on some subject approved by the professor in charge of his major work and the Executive Faculty of the Graduate School. Such approval, except in the case of students working for master's degrees in summer sessions only, must be secured and the subject of the thesis filed at the office of the Graduate School not later than the beginning of the second half year of residence. The requirement of a thesis may be waived, however, upon the recommendation of the head of the department in which the student is doing his major work and the approval of the Director, provided application to waive the thesis is made at the time for announcing thesis subjects. A student excused from writing a thesis must replace it with additional courses of instruction.

No one will be excused from writing a thesis unless one-half of his program of studies consists of courses numbered 100 and upwards.

The thesis required from a candidate for a master's degree ordinarily will demand one-fourth of the student's time and may not exceed one-third of it. The thesis must be typewritten, on "thesis-paper,"[1] and the title page must be printed. The thesis in its final form, together with a certificate of approval by the proper officer, must be sent by the professor in charge to the Dean's office at least two weeks before the date on which the degree is to be conferred. No article prepared for another use, or previously published, will be accepted as a thesis.

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[1] No other will be accepted by the Dean. "Instructions for the Preparation of Theses" may be obtained at the Secretary's Office, Room 309, Research Laboratory and Library Building.

Under proper conditions a student may be permitted to complete the last fourth of his work, if devoted to his thesis, under leave of absence for a period not to exceed the equivalent of two semesters. To get such permission the student must have secured credit for at least six units; must petition for the privilege; must submit to the Dean an outline of the proposed investigation, approved by the head of his major department; and must submit satisfactory evidence that adequate facilities are available to him at the place where he intends to do the proposed work. Approval on all these points must be obtained one collegiate year before the thesis is due. Immediately following approval the student must register and pay an incidental fee of $20.00.

Applications for Degrees.—Each candidate for the degree of Master of Arts or Master of Science shall file an application for the degree on a blank provided for the purpose, to be had at the Secretary's office.

The Degree of Doctor of Philosophy

Major and Minor Subjects.—A member of the Graduate School who desires to become a candidate for the degree of Doctor of Philosophy is required to pursue a major subject in the department in which his research lies. He is also required to choose one minor subject, or he may choose two. If one minor only is chosen it must be taken in a department of study other than that of the major, and credit for it may be earned by work representing not less than four units, or one-sixth of the total residence required for the doctorate. If two minors are chosen, one must be a subject closely related to the major. With the approval of the adviser it may be a division of the major field of study. If the second minor is outside the department of major study, it may be satisfied by work representing not less than two units or one-fourth of a year of residence.

Except by special permission of the Dean the preliminary examination in major and minor subjects may not be taken until the minor work has been done.

Method of Computing Residence.—Credit for a full year of grdauate work means that the student has during that time devoted all his working time and energy to study of a graduate grade. After the first year of residence credit is not recorded in units, and there is no fixed correspondence between credit and course as in undergraduate work. Thus it is possible for a second-year student to devote all his time to one course and his research; and for a third-year student to devote all his time to his research work alone.

Period of Study.—The *minimum* period of study required for securing the degree of Doctor of Philosophy is three years, during which the student is required to devote all his working time to his studies. All three years must be spent in residence at some accredited educational institution, and either the first two or the last one of the three must be spent at the University of Illinois. The degree is conferred, however, not for residence during a certain period, but for scholarly attainments and power of investigation, as proved by thesis and examinations.

Work Done in Other Universities.—Credit for graduate work done in other universities is not "transferred." However, it may be accepted on examination

as equivalent to resident work at the University of Illinois, provided the institution in which it was done is of high standing.

EXAMINATIONS

Preliminary.—A. In major and minors.—Toward the end of his second year of study, or by special permission, at the beginning of his third year, the candidate for the degree must submit to a preliminary examination, in order to determine whether he will be accepted as a candidate for the degree in the following year. This examination is intended to test the student's knowledge of the fields of his major and minor subjects of study only. It is partly oral, and may be wholly so.

The student will not be admitted to his preliminary examination until the faculty is satisfied that he has finished substantially the equivalent of two years' graduate work. He must do a full year's graduate work between his preliminary examination and the completion of his work for the doctorate.

B. In Languages.—The candidate will be required to demonstrate his ability to read French and German and other languages needed in his work. This test of proficiency in the use of French and German must be passed before the student is admitted to the preliminary examination in major and minor subjects.

Final Examination.—At least two weeks before the time when the degree is conferred, the candidate must submit to a final examination, given by a committee appointed by the Dean. This examination is primarily on the research work of the student, as embodied in his thesis, but is not confined to that. It extends to the whole field of study of the candidate. It will not be confined to the courses which the candidate has attended in the University of Illinois only, if he has done part of the work elsewhere; nor to the field covered by the courses, specifically taken in this or other universities; but will be so conducted as to determine whether the candidate has a satisfactory grasp of his major subject as a whole, and a general acquaintance with the fields of knowledge by his course of study.

The final examination may not be divided. The examination must be taken all at one time though it requires several sessions.

If after having passed his preliminary examination, he fails in the third year of his study to meet the expectations of the professors in charge of his work, or in any way fails to maintain the standard of scholarship and power of research expected of him, he may be refused admission to the final examination.

Other Examinations.—Before the candidate is admitted to the final examination and the defense of his thesis, he may be required to take any other examination, oral or written, that is thought proper by the various departments in which he has studied.

The above examinations are in addition to those in the courses for which the student is registered. These must be taken at times for which they are set in the examination schedule.

Thesis.—The power of independent research must be shown by the production of a thesis on some topic connected with the major subject of study. The candidate is expected to defend his thesis or dissertation before the members of the faculty, or as many of them as may wish to question him about it, in connection with his final examination.

The subject of the thesis should be chosen not later than the end of the second year of residence and must be submitted for formal approval by the faculty not later than six weeks from the beginning of his third year of residence.

A typewritten copy of the complete thesis, *on thesis paper*[1], and in final form must be deposited in the office of the Dean for presentation to the examining committee not later than two weeks prior to the final examination, and not less than four weeks before the time when the degree is conferred. At the same time, the candidate must deposit with the Dean a manuscript of the essential part, or an abstract, or a digest of his thesis, in condition for publication at a cost not to exceed seventy-five dollars ($75). The manuscript must be sufficient to show the method followed, the evidence used and the conclusions reached in the investigation, and must bear the approval of the department and the Executive Faculty of the Graduate School.

The candidate must pay to the Comptroller before graduation the sum of seventy-five dollars ($75) out of which the University will print at least one hundred copies of this manuscript for circulation by the University, unless the thesis entire or in abbreviated form is published by the author or is accepted for publication by a standard journal or publisher within a year from the date of graduation. In the latter event, and after one hundred copies have been presented to the University by the writer, the cash deposit shall be returned to him.

The typewritten and printed forms of the thesis must comply with the regulations given in "instructions for the preparation of masters' and doctors' theses," copies of which may be obtained at the Secretary's office.

GRADUATE SCHOLARSHIPS AND FELLOWSHIPS

A number of scholarships and fellowships have been established by the Trustees of the University. To first-year graduate students of ability and promise there are open a number of scholarships with a stipend of $300 each and freedom from tuition, incidental and laboratory fees.[2] To second-year and third-year graduate students, that is, those who have had one or two years of graduate study, there are open fellowships with stipends of $400 and $500, with freedom from the above-mentioned fees. The larger stipends are given only to students who are expected to take their degrees within the year. Each holder of a fellowship or scholarship must pay the matriculation fee of ten dollars, unless he holds a first degree from the University of Illinois, and also the diploma fee of ten dollars on receiving his diploma.

Candidates for these scholarships and fellowships must be graduates of the University of Illinois or colleges or universities having equivalent requirements for bachelors' degrees.

Application must be made on blanks to be obtained from the Dean of the Graduate School. These application forms should be sent to the Dean of the Graduate School as early as possible in February of the academic year preceding that for which the fellowship is desired. No application will be considered if received later than March first, until after April fifteenth, the date when appointees from the first list of applicants must accept or refuse their appointments.

Persons appointed are notified on April first and must send the Secretary of the Board of Trustees notice of their acceptance or refusal by April fifteen and

must agree that, if accepted, the appointment will not be resigned to take a similar one in any other institution during the year for which it is awarded.

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[1] No other will be accepted by the Dean.

[2] Up to a certain amount.

Nominations to fellowships are made on the grounds of worthiness of character, scholastic attainments, and promise of success in the principal line of study or research to which the candidate proposes to devote himself. Scholarships and fellowships are not given to candidates who are over thirty years of age at the time when the appointment is to be made.

An appointment as honorary fellow, without stipend, may be made as specified for paid fellowships in the case of one who has shown distinguished merit in his work.

Fees and Expenses.—Except as noted below, graduate students in medicine pay fees as follows:

Matriculation fee	$10.00
Incidental fee (summer quarter)	20.00
Students not residents of Illinois pay an incidental fee of	30.00
Incidental fee (semester)	25.00
Students not residents of Illinois pay each semester an incidental fee of	37.50
Laboratory deposit (each quarter or semester)	15.00
Diploma fee	10.00

All Graduate students who have not matriculated as undergraduates at the University of Illinois pay the matriculation fee on entrance.

All graduate students pay the diploma fee on being recommended for their degrees.

No tuition or incidental fee is charged for graduate courses to members of the corps of instruction, or of the staffs of the scientific bureaus or experiment stations who are appointed by the Board of Trustees, nor for undergraduate courses on their study-lists if approved by the heads of the departments and by the Dean of the School as necessary or desirable for the proper completion of the work for the degree.

Each student working in laboratories is required to make a deposit of fifteen dollars to pay for chemicals and apparatus used and for any breakage or damage. No charge or deposits for laboratory materials are required from members of the corps of instruction or the scientific staffs mentioned above.

LIBRARY

Adequate library facilities are essential to the prosecution of graduate work and research. In the library of the College of Medicine may be found files of journals, monographs, separates, and standard texts supplying nearly every need.

A list of files of journals on page 97.

DEPARTMENTS OF INSTRUCTION

ANATOMY

101. Histogenesis and Experimental Morphology.—Cytological and morphological changes in the organism which are directly correlated with normal processes, such as reproduction, differentiation, nutrition, growth, variation, regulation, regeneration, activity, secretion, rest, fatigue, sensility.—*One or two units.* Professor KAMPMEIER, Associate Professor REAGAN

103. Individual Research and Embryology and Histogenesia. *One or two units.* Professor KAMPMEIER, Associate Professor REAGAN

105. Advanced Anatomy.—*One or two units.*
Professor KAMPMEIER, Associate Professor REAGAN

DENTAL THERAPEUTICS

101. Advanced Therapeutics.—*One or two units.*
Associate Professor BLAYNEY

103. Therapeutic Research.—*One or two units.*
Associate Professor BLAYNEY

DERMATOLOGY

101. Research work in Dermatology.—*One to three units.*
Professor SENEAR

JUVENILE BEHAVIOR

101. Research Work in Juvenile Behavior.—*One to three units.*
Associate Professor SCHROEDER

LARYNGOLOGY, RHINOLOGY AND OTOLOGY

101. Research work in Laryngology, Rhinology and Otology.—*One to three units.* Professor PIERCE

MEDICINE, PEDIATRICS AND BIO-PHYSICS

101. Research work in Medicine.—*One to three units.*
Professor WILLIAMSON

101. Research work in Pediatrics.—*One to three units.* Professor HESS

101. Research work in Bio-Physics.—*One to three units.*
Professor BACHEM

METALLURGY

101. Metallurgical Research.—*One or two units.* Professor WELKER

OBSTETRICS AND GYNECOLOGY

101. Research work in Obstetrics and Gynecology—*One to three units.*
Professor FALLS

OPHTHALMOLOGY

101. Research work in Ophthalmology.—*One to three units.*

ORAL SURGERY

101. Pathology of Mouth.—*One or two units.* Professor Moorehead

103. Oral Surgery.—*One or two units.* Professor Moorehead

ORTHODONTIA

101. Orthodontia.—*One or two units.* Professor Noyes

PATHOLOGY AND BACTERIOLOGY

101. Advanced Pathogenesis.—Etiology and pathogenesis of certain diseases with special consideration of the role that the lower animals play in the transmission of human disease. Lectures, conferences, demonstrations, assigned readings.—*One or two units.*
Professor Davis, Professor Petersen, Professor Arnold

103. Individual Research Course.—*One or two units.*
Professor Davis, Professor Petersen, Professor Arnold

PHARMACOLOGY

101. Advanced Pharmacodynamics.—Laboratory work.—*One or two units.*
Professor McGuigan, Assistant Professor Camp

103. Research Work in Pharmacodynamics.—*One or two units.*
Professor McGuigan, Assistant Professor Camp

PHYSIOLOGY AND PHYSIOLOGICAL CHEMISTRY

101. Advanced Biological Chemistry.—Biochemical methods of research, biological colloids, enzyme action, and metabolism.—*One or two units.*
Professor Welker, Associate Professor Bergeim

103. Biochemical Research.—*One or two units.*
Professor Welker, Associate Professor Bergeim

105. Advanced Physiology.—An introduction to original work in Experimental Physiology. Individual instruction in fundamental methods. Laboratory course.—*One or two units.* Associate Professor Oslund

109. Research Work in Physiology.—*One or two units.*
Associate Professor Oslund

SURGERY

101. Research Work in Surgery.—*One to three units.* Professor Hedblom

REGISTER OF STUDENTS

GRADUATE SCHOOL

1929-1930

SUMMER QUARTER—1929

Aaronson, Abraham Louis—Physiological Chemistry. B.S., 1926, M.D., 1929. Chicago.

Aries, Leon Judah—Pathology. B.S., 1929. Chicago.

Berger, Louis—Anatomy. B.S., 1929. Chicago.

Boikan, William Sclair—Pathology. B.S., 1925, M.D., 1928. Chicago.

Boor, Alden Kinney—Physiological Chemistry. B.S., 1914, M.S., 1923, John B. Stetson University, S.M., University of Chicago, 1923.

Brody, Louis J.—Bacteriology. M.D., 1924, B.S., 1926, Loyola Medical School. Chicago.

Cohen, Bernard M.—Bacteriology. B.S., 1929. Chicago.

Cornbleet, Theodore—Dermatology. B.S., M.D., St. Louis University Medical School, 1921, 1923. Chicago.

Downs, William Benham—Orthodontia. D.D.S., 1926. Batavia, Ill.

Eggers, Henry William—Pharmacology. B.S., 1928. Chicago.

Emig, Herbert Martin—Pharmacology. Ph.G., B.S., Philadelphia College of Pharmacy and Science, 1919, 1924. Oak Park, Ill.

Ewing, Paul Leon—Pharmacology. B.A., Milton College, 1926, M.S., 1929. Oak Park, Ill.

Finder, Jerome Gordon—Bacteriology. A.B., 1926, B.S., 1928. Chicago.

Fisch, Max Eleazer—Anatomy. B.S., 1917, M.S., M.D., 1919. Chicago.

Gillesby, William James—Physiological Chemistry. S.B., University of Chicago, 1927, B.S., 1929. Chicago.

Jentzsch, Richard Alvin—Orthodontia. D.D.S., 1926. Oak Park, Ill.

Joannides, Minas—Surgery. M.D., Washington University, 1921, M.S., 1928, Chicago.

Johnson, Clarence Albert—Physiological Chemistry. B.S., M.S., Univeristy of Chicago, 1925, 1928. Oak Park, Ill.

Kaplan, Morris Aaron—Physiological Chemistry. B.S., 1929. Chicago.

Kaplan, Philip—Physiology. B.S., 1929. Chicago.

Klein, Reuben—Physiological Chemistry. A.B., 1927, B.S., 1929. Chicago.

Kobak, Alfred Julian—Obstetrics. B.S., 1921, M.D., 1925, M.S., 1929. Chicago.

Kraines, Samuel Henry—Pathology. B.S., 1928. Chicago.

Ladd, Robert Lelon—Pathology. A.B., Park College, 1920, M.D., Rush Medical College, 1926. Chicago.

Lipow, Eugene G.—Physiology. Ph.G., 1926, B.S., 1929. Chicago.

MacFate, Robert Preston—Physiological Chemistry. Ch.E., Lehigh University, 1925, M.S., 1929. Chicago.

Meyer, Harold Irving—Surgery. A.B., 1919, M.D., Rush Medical College, 1923. Chicago.

Montgomery, Burtis Edgar—Bacteriology. B.S., McKendree College, 1922. Harrisburg, Ill.

Neville, William Francis—Oral Surgery. D.D.S., University of Michigan, 1926. Chicago.

Olech, Eli—Oral Surgery. D.D.S., 1923. Chicago.

Ragins, Benjamin Alex—Pathology. B.S., 1929. Chicago.

Rappaport, Ben Zion—Pathology. B.S., 1920, M.D., 1923. Chicago.

Reingold, Joseph C.—Pathology, B.S., 1927. Chicago.

Riser, Roy Otis—Otology, Rhinology and Laryngology. B.S., 1928. Chicago.

Sanfilippo, Paul Dominic—Surgery. B.S., 1929. Chicago.

Shaw, Maurice Maceo—Pathology. A.B., 1927, B.S., 1929. Chicago.

Silverstone, Eugene Henry—Anatomy. B.S., University of Washington, 1924. Chicago.

Simons, Joseph—Bacteriology. B.S., 1929. Chicago.

Sommer, Conrad Samuel—Bacteriology. B.S., 1929. Chicago.

Spivak, Mary—Pathology. M.D., Novorossisky University, 1920. Chicago.

Terry, Ralph Eugene—Physiological Chemistry. Ph.G., 1920, B.S., M.S., University of Southern California College of Pharmacy, 1925, 1926. Oak Park, Ill.

Thayer, Janet Campbell—Bacteriology. B.S., 1924. Chicago.

Wach, Edward Charles—Physiological Chemistry. Ph.G., 1907, D.D.S., 1923. Chicago.

Webb, Richard Lockwood—Anatomy. A.B., 1924, M.S., 1925. Farmer City, Ill.

SESSION 1929-30

Aaronson, Abraham Louis—Physiological Chemistry. B.S., 1926, M.D., 1929. Chicago.

Adams, Wright Rowe—Pathology. B.S., 1926, M.D., 1929. Oak Park, Ill.

Aries, Leon Judah—Pathology. B.S., 1929. Chicago.

Baer, Harold Kenneth—Physiological Chemistry. B.S., Grove City College, 1920. New Castle, Pa.

Baer, Walter Hilmar—Surgery. B.S., 1929. Peoria, Ill.

Becker, Harry Gregory—Surgery. Kampsville, Ill.

Bell, Harold William—Orthodontia. D.D.S., University of Southern California Dental College, 1926. Chicago.

Bellows, John—Pathology. B.S., 1928. Chicago.

Belous, Leon Philip—Obstetrics and Gynecology. M.D., 1928. Chicago.

Benda, Barbara Florence—Pathology. B.S., 1929. Chicago.

Berger, Louis—Anatomy. B.S., 1929. Chicago.

Bennett, David Andrew—Bacteriology. Canton, Ill.

Bernell, Edward Charles—Pathology. Chicago.

Blayney, James Roy—Orthodontia. D.D.S., Northwestern University, 1913, B.S., Lewis Institute, 1924, M.S., University of Chicago, 1928. Chicago.

Blickensdorfer, Philip—Pharmacology. B.S., State College, 1927, M.S., University of Minnesota, 1929. Chicago.

Boikan, William Sclair—Pathology. B.S., 1925, M.D., 1928. Chicago.

Bradell, Sigmund Francis—Metallurgy. B. Met. Eng., Ohio State University, 1923, D.D.S., 1928. Chicago.

Briggs, Frances Agnes—Physiological Chemistry. B.S., 1926, M.S., Tulane University of Louisiana, 1928. Metamora, Ill.

Brody, Louis J.—Bacteriology. M.D., B.S., Loyola Medical School, 1924, 1926. Chicago.

Brown, Florence Amelia—Pediatrics. B.S., 1925, M.D., 1928. Nework, Ill.

Carow, Theodore Moffett—Surgery. B.S., 1929. Chicago.

Cohen, Bernard M.—Bacteriology. B.S., 1929. Chicago.

Copeland, William Jackson—Pharmacology A.B., 1928. Fall River, Mass.

Cornbleet, Theodore—Dermatology. B.S., M.D., St. Louis University Medical School, 1921, 1923. Chicago.

Davison, Richard Milton—Surgery. B.S., M.B., M.D., University of Minnesota, 1926, 1928, 1929. Minneapolis, Minn.

Dickson, Dorothy—Physiological Chemistry. A.B., Knox College, 1928. Galesburg, Ill.

Dine, William Clay, Jr.—Pharmacology. Maroa, Ill.

Downs, William Benham—Orthodontia. D.D.S., 1926. Batavia, Ill.

Dreyer, Irving—Pathology. B.S., 1928. Chicago.

Edwards, Gilbert Harold—Bacteriology. A. B., 1927. Pinchveyville, Ill.

Eggers, Henry William—Pharmacology. B.S., 1928. Chicago.

Emig, Herbert Martin—Pharmacology. Ph.G., B.S., Philadelphia College of Pharmacy and Science, 1919, 1924. Oak Park, Ill.

Endres, Fred Carl—Bacteriology. B.S., Bradley Polytechnic Institute, 1928. Peoria, Ill.

Erich, John—Surgery. B.S., 1929. Chicago.

Ewing, Paul Leon—Pharmacology. B.A., Milton College, 1926, M.S., 1929. Oak Park, Ill.

Finder, Jerome Gordon—Bacteriology. A.B., 1926, B.S., 1928. Chicago.

Firth, John Oscar—Pharmacology. B.S., Monmouth College, 1921. Murphysboro, Ill.

Fisch, Max Eleazer—Anatomy. B.S., 1917, M.S., M.D., 1919. Chicago.

Fisher, Catherine Virginia—Physiological Chemistry. B.A., University of Wisconsin, 1929. Valparaiso, Ind.

Fishman, Louis Zolo—Anatomy. B.S., 1925, M.D., 1927. Chicago.

Galloway, Andrew—Pharmacology. Johnston City, Ill.

Gillesby, William James—Physiological Chemistry. S.B., University of Chicago, 1927, B.S., 1929. Chicago.

Goldstein, Abraham—Orthodontia. D.D.S., 1924. Chicago.

Goldwin, Richard Hobart—Physiological Chemistry. B.A., Duke University, 1928. Chicago.

Gueth, Edward Frederick—Pharmacology. A.B., Cornell College, 1929. Freeport, Ill.

Gulbrandsen, Lars Freman—Bacteriology, Chicago.

Hanus, George—Bacteriology. B.S., University of Chicago, 1927. Chicago.

Hark, Florence White—Obstetrics. B.S., M.D., University of Iowa, 1919, 1922. Chicago.

Hecht, Rudolph—Physiological Chemistry. Chicago.

Hick, Ford Kimmel—Pathology. B.S., 1928. Oak Park, Ill.

Highman, Benjamin—Pathology. Chicago.

Hurwitz, Paul—Pathology. Chicago.

Jacobson, Earl Grant—Oral Surgery. D.D.S., 1929. Chicago.

Jaffray, David Smeaton—Pharmacology. Chicago.

Jentzsch, Richard Alvin—Orthodontia. D.D.S., 1926. Oak Park, Ill.

Joannides, Minas—Surgery. M.D., Washington University, 1921, M.S., 1928, Chicago.

Johnson, Clarence Albert—Physiological Chemistry. B.S., M.S., University of Chicago, 1925, 1928. Oak Park, Ill.

Johnson, Esther C.—Bacteriology. B.S., 1928. Rock Island, Ill.

Johnson, Richard Paul—Pathology. B.S., 1929. Chicago.

Kaplan, Hyman Joseph—Bacteriology. A.B., 1927, B.S., 1929. Champaign, Ill.

Kaplan, Morris Aaron—Physiological Chemistry. B.S., 1929. Chicago.

Kaplan, Samuel—Obstetrics and Gynecology. B.S., 1922, M.D., 1925. Chicago.

Kaufman, Irving—Pathology. B.S., 1929. Chicago.

Kesel, Robert George—Bacteriology. D.D.S., 1926. Aurora, Ill.

King, Ernest Quinchester—Physiology. A.B., University of Utah, 1926. Salt Lake City, Utah.

Klein, Reuben—Physiological Chemistry. A.B., 1927, B.S., 1929. Chicago.

Knudtson, Kermit Frederick—Oral Surgery. D.D.S., 1927. Chicago.

Kobak, Alfred Julian—Obstetrics. B.S., 1921, M.D., 1925, M.S., 1929. Chicago.

Kotler, Harry—Pathology. Chicago.

Kraines, Samuel Henry—Pathology. B.S., 1928. Chicago.

Ladd, Robert Lelon—Pathology. A.B., Park College, 1920, M.D., Rush Medical College, 1926. Chicago.

Lamb, Carl—Oral Surgery. D.D.S., 1929. Chicago.

Lawder, Homer Lee—Bacteriology. A.B., 1927. Rockwood, Ill.

Levine, Arthur Harry—Physiological Chemistry. Chicago.

Lilja, Paul Gustave—Bacteriology. D.D.S., University of Minnesota, 1923. Chicago.

Lipow, Eugene G.—Physiology. Ph.G., 1926, B.S., 1929. Chicago.

MacFate, Robert Preston—Physiological Chemistry. Ch.E., Lehigh University, 1925, M.S., 1929. Chicago.

Maryan, Harry Oliver—Obstetrics. S.B., 1921, M.D., 1922. Chicago.

McQueen, Max Boyd—Pharmacology. Hutsonville, Ill.

Melnick, Perry Julius—Pathology. B.S., 1927, M.S., 1929. Chicago.

Meyer, Harold Irving—Surgery. A.B., 1919, M.D., Rush Medical College, 1923. Chicago.

Miller, Wililam Edward—Bacteriology. A.B., Fisk University, 1923, B.S., 1928. Chicago.

Milles, George—Pathology. Ph.G., 1921, B.S., 1923, M.D., 1929. Chicago.

Montgomery, Burtis Edgar—Bacteriology. B.S., McKendree College, 1922. Harrisburg, Ill.

Mosko, Milton Mitchell—Bacteriology. Chicago.

Myer, Ernest—Orthodontia. D.D.S., 1929. Chicago.

Naftzger, Robert Earl—Orthodontia. D.D.S., 1924. Chicago.

Nedzel, Alexander J.—Bacteriology. Diploma of Physician, New Russian University, 1913. Elmwood Park, Ill.

Neville, William Francis—Oral Surgery. D.D.S., University of Michigan, 1926. Chicago.

Olech, Eli—Oral Surgery. D.D.S., 1923. Chicago.

Ostrofsky, Peter—Physiology. B.S., 1929. Chicago.

Ostrom, Meredith Louis—Bacteriology. B.S., 1927, M.S., 1929. Rock Island, Ill.

Powell, Frank Elizabeth—Bacteriology. A.B., 1929. Canton, Ill.

Ragins, Benjamin Alex—Pathology. B.S., 1929. Chicago.

Rappaport, Ben Zion—Pathology. B.S., 1920, M.D., 1923. Chicago.

Reingold, Joseph Cyrus—Pathology. B.S., 1927. Chicago.

Reynolds, John Todd—Pathology. Dwight, Ill.

Riser, Roy Otis—Otology, Rhinology and Laryngology. B.S., 1928. Chicago.
Ronstrom, George—Anatomy. Kewanee, Ill.
Rosenthal, Sol Roy—Pathology. B.S., 1925, M.D., 1929. Chicago.
Saberman, Meyer Isadore—Pathology. B.S., 1929. Chicago.
Schelm, George William—Pathology. B.S., 1915, M.D., 1918. Chicago.
Schlegel, Karl William—Pathology. Chicago.
Schwartz, Arthur Harold—Pathology. Chicago.
Seron, Vaheh M.—Obstetrics. S.B., University of Chicago, 1925. Chicago.
Shapiro, Louis Bernard—Bacteriology. B.S., 1929. Chicago.
Shaw, Maurice Maceo—Pathology. A.B., 1927, B.S., 1929. Chicago.
Shropshear, George—Physiology. B.S., 1929. Chicago.
Shuger, Michael Hershel—Bacteriology. Chicago.
Silverstone, Eugene Henry—Anatomy. B.S., University of Washington, 1924. Chicago.
Simons, Joseph—Bacteriology. B.S., 1929. Chicago.
Singer, Charlotte H.—Bacteriology. B.S., M.S., 1929. Chicago.
Skemp, Harriet Iles—Obstetrics. B.S., University of Dubuque, 1924, M.D., University of Iowa, 1926. Dubuque, Ia.
Sommer, Conrad Samuel—Bacteriology. B.S., 1929. Chicago.
Spiesman, Irvin Gabriel—Bacteriology. B.S., 1919, M.D., 1922. Oak Park, Ill.
Spivack, Mary—Pathology. M.D., Novorossisky University, 1920. Chicago.
Steck, Isadore—Physiology. Chicago.
Taylor, Marion Meredith—Surgery. B.S., 1929. Noble, Ill.
Teeters, Esther Florence—Physiological Chemistry. A.B., 1925. Auburn, Ind.
Terry, Ralph Eugene—Physiological Chemistry. Ph.G., 1920, B.S., M.S., University of Southern California College of Pharmacy, 1925, 1926. Oak Park, Ill.
Thacker, Edgar Abney—Physiology. A.B., 1927. Danville, Ill.
Thayer, Janet Campbell—Bacteriology. B.S., 1924. Chicago.
Urbanek, Frank Edward—Physiological Chemistry. B.S., Northwestern University, 1929. Chicago.
Wall, John William—Physiology. Chicago.
Wach, Edward Charles—Physiological Chemistry. Ph.G., 1907, D.D.S., 1923. Chicago.
Webb, Richard Lockwood—Anatomy. A.B., 1924, M.S., 1925. Farmer City, Ill.
Weinberg, Louis Sol—Pathology. Chicago.
Welker, Dorothy Hutchinson—Physiological Chemistry. A.B., 1927, B.S., 1929. Oak Park, Ill.
Whittier, Stanley Spencer—Oral Surgery. D.D.S., 1929. Chicago.

DEGREES CONFERRED

Degree of Master of Science

Conferred June 7, 1930

In Bacteriology

Jerome Gordon Finder, A.B., 1926, B.S., 1928.
Burtis Edgar Montgomery, B.S., McKendree College, 1922.
Janet Campbell Thayer, B.S., 1924.

In Pathology

William Sclair Boikan, B.S., 1925, M.D., 1927.
Joseph C. Rheingold, B.S., 1927.

In Pharmacology

Henry William Eggers, B.S., 1928.

In Oral Surgery

Eli Olech, D.D.S., 1923.

DEGREE OF DOCTOR OF PHILOSOPHY

Conferred February 5, 1930

In Physiological Chemistry

Alden Kinney Boor, B.S., M.S., John B. Stetson University, 1914, 1923, S.M., University of Chicago, 1923.

A Study of Carbonmonoxide Hemoglobin Preparation, Antigenic Properties, Crystallography and Spectrograhy.

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Aichi Journal of Experimental Medicine
*_Albany Medical Annals_
Alienist and Neurologist
American Anthropologist
*_American Dental Surgeon_
*_American Heart Journal_
*_American Journal of Anatomy_
*_American Journal of Diseases of Children_
*_American Journal of Electrotherapeutics and Radiology_
*_American Journal of Hygiene_
*_American Journal of Hygiene, Monograph Series_
*_American Journal of Insanity_
*_American Journal of the Medical Sciences_
American Journal of Nursing
*_American Journal of Obstetrics and Diseases of Women and Children_
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*_American Journal of Ophthalmology_
*_American Journal of Orthopedic Surgery_
*_American Journal of Pathology_
*_American Journal of Physical Anthropology_
*_American Journal of Physical Therapy_
*_American Journal of Physiology_
*_American Journal of Psychiatry_—new series
*_American Journal of Public Health_
*_American Journal of Roentgenology_
American Journal of Surgery
*_American Journal of Syphilis_
*_American Journal of Tropical Medicine_
*_American Naturalist_
*_American Review of Tuberculosis_
*_Anatomical Record_
*_Anatomische Hefte_
*_Anatomischer Anzeiger_
*_Anatomischer Bericht_
*_Annales d'Anatomie Pathologique_
*_Annales de Chirurgie et Orthopedie_
*_Annales de Dermatologie et de Syphilographie_
*_Annales de Gynécologie et d'Obstétrique_
*_Annales d' Hygiene Publique_
*_Annales de l'Institut Pasteur_
*_Annals of Clinical Medicine_
*_Annals of Eugenics_
*_Annals of Internal Medicine_
*_Annals of Medical History_
Ophthalmology
*_Annals of Opthalmology_

**Annals of Otology, Rhinology and Laryngology*
**Annals of Surgery*
**Annals of Tropical Medicine and Parasitology*
**L'Année Biologique*
Arbeiten aus dem anatomischen Institut, Tokio
**Arbeiten aus dem anatomischen Institut der Universatität zu Sendai*
**Arbeiten a.d. Gebiete d. pathologischen Anatomie u. Bacteriologie aus der pathologisch-anatomischen Institut zu Tübingen*
**Arbeiten aus dem Staatsinstitut für Experimentelle Therapie und dem Georg Speyer-Hause zu Frankfurt a. M.*
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**Arbeiten des pharmazeutischen Institutes der Universität Berlin*
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**Archiv für Augenheilkunde*
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**Archives of Otolargyngology*
**Archives of Ophthalmology*
**Archives of Pathology and Laboratory Medicine*

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Archives of Radiology and Electrotherapy
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Archives of Surgery
Archivio di Anthropologia Criminale Psichiatria
Archivio Italiano di Anatomia e di Embriologia
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The Asclepiad
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Beiträge zur chemischen Physiologie und Pathologie—Hofmeister's
Beiträge zur Geburtshilfe und Gynaekologie
Beiträge zur gerichtliche Medizin
Beiträge zur klinischen Chirurgie (Brun's)
Beiträge zur Klinik der Tuberkulose
Beiträge zur pathologischen Anatomie und zur allgemeinen Pathologie (Ziegler)
Berichte der Deutschen chemischen Gesellschaft
Berichte über die gesamte Gynäkolgie und Geburtshilfe
Berichte über die gesamte Physiologie und experimentelle Pharmakologie
Berichte über die Versammlungen der ophthalmologischen Gesellschaft
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Bulletin de l'Association Française pour l'étude du cancer
Bulletin de l'Institut Pasteur
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Bulletin de la Société d'Obstétrique et de Gynécologie de Paris
Bulletin de la Société de Patholgie exotique
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Bulletin of the Society of Medical History of Chicago
Bulletins et Mémoires de la Société Anatomique de Paris
Bulletins et Mémoires de la Société de Chirurgie de Paris
Bulletins et Mémoires de la Société médicales des Hôpitaux de Paris
California and Western Journal of Medicine
Canadian Medical Association Journal
La Cellule
Centralblatt für allegemeine Patholgie und pathologische Anatomie
Centralblatt für klinische Medizin
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Centralblatt für Nervenheilkunde und Psychiatrie

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**Comptes rendus hebdomadaires des Séances de l' Académie des sciences*
**Comptes Rendus des Séances de la Société de Biologie*
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**Dental Cosmos*
**Dental Items of Interest*
Dental Record
**Dermatologische Wochenschrift*
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**Deutsche medizinische Wochenschrift*
**Deutsche Monatsschrift für Zahnheilkunde*
**Deutsche Zeitschrift für Chirurgie*
Deutsche Zeitschrift für gesamte gerichtliche Medizin
**Deutsche Zeitshcrift für Nervenheilkunde*
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**Dietetic and Hygiene Gazette*
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**Dublin Journal of Medical Sciences*
**Edinburgh Medical and Surgical Journal*
**L'Encephale*
**L'Encephale (Journal des Maladies mentales et nerveuses)*
**Endocrinology*
**Ergebnisse der allgemeinen Pathologie und pathologischen Anatomie*
**Ergebnisse der Anatomie und Entwicklungsgeschichte*
**Ergebnisse der Geburtshilfe und praktische Gynäkologie*
**Ergebnisse der inneren Medizin und Kinderheilkunde*
**Ergebnisse der medizinischen Strahlenforschung*
**Ergebnisse der Physiologie*
Eugenics Review
**Fermentforschung*
**Folia Anatomica Japonica*
**Folia Haematologica. Originale*
**Folia Haematologica. Referate*
**Folia Neurobiologica*
**Folia Neurologica*
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**Fortschritte auf dem Gebiete der Röntgenstrahlen*
Fortschritte der Medizin
**Fortschritte der Zahnheilkunde*
**Frankfurter Zeitschrift für Pathologie*
**Gazette Hebdomadaire de Médicine*
**La Gynécologie*
**Gynécologie et Obstétrique*
**Haematologica-Archivio Italiano di Ematologica*
**Heart*
**Hygeia (Chicago)*
**Hygiea (Stockholm)*
L'Hygiene Mentale
**Illinois Medical Journal*
**Illinois State Laboratory of Natural History-Bulletin*
**Index Catalogue of the Surgeon-General's Office*
**Index Medicus*
**Indian Journal of Medical Research*
L'Informateur des Alienistes et Neurologistes
**International Association of Medical Museums Bulletin*
**International Clinics*
International Journal of Orthodontia
**International Journal of Psychoanalysis*
**International Journal of Surgery*
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**International Surgical Digest*
**Internationale Monatsschrift für Anatomie und Physiologie*
**Internationales Centralblatt für Harn und Sexualorgane*
**Irish Journal of Medical Science*
**Jahrbuch für Kinderheilkunde*
**Jahrbuch der Psychoanalyse*

**Jahresbericht über die Ergebnisse der Immunitätsforschung*

**Jahresbericht über die Fortschritte der Anatomie und Entwickelungsgeschichte*

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**Jahresbericht über die Fortschritte der Anatomie und Physiologie*

**Jahresbericht über die Fortschritte auf Gebiete der Chirurgie*

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**Jahresbericht über die Fortschritte in der Lehre von den pathogenen Mikroorganismen, umfassend Bakterien, Pilze und Protozoen*

**Jahresbericht über die Leistungen und Fortschritte in der gesamten Medizin (Constatt) (Virchow-Hirsch)*

**Jahresbericht uber die gesamte Tuberkuloseforschung und ihre Grenzgebiete*

**Jahresbericht über Haut- und Geschlechtskrankheiten*

**Jahresbericht der Ophthalmologie*

**Jahreskurse für ärtzliche Fortbildung*

**Janus*

**Japan Medical Journal*

Japanese Journal of Experimental Medicine

**Jenaische Zeitschrift für Naturwissenschaft*

**Johns Hopkins Hospital. Bulletin*

**Johns Hopkins Hospital. Reports*

**Journal de Chirurgie*

Journal de Physiologie et de Pathologie générale

**Journal des Maladies Syphilitiques*

**Journal d'Urologie*

**Journal of Abnormal Psychology*

Journal of Advanced Therapeutics

**Journal of Agricultural Research*

**Journal of Allergy*

**Journal of American Chemical Society*

**Journal of the American Dental Association*

**Journal of American Medical Association*

**Journal of Anatomy*

**Journal of Anatomy and Physiology*

**Journal of Animal Behavior*

**Journal of Association of American Medical Colleges*

**Journal of Association of Military Surgeons*

**Journal of Association of Official Agricultural Chemists*

**Journal of Bacteriology*

**Journal of Biochemistry*

**Journal of Biological Chemistry*

**Journal of Bone and Joint Surgery*

**Journal of Cancer Research*

**Journal of Clinical Investigation*

**Journal of Comparative Neurology*

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**Journal of Cutaneous Diseases*

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**Journal of Experimental Zoology*

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**Journal of Indiana State Medical Society*

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**Journal of Infectious Diseases*

Journal of Laboratory and Clinical Medicine

Journal of Laryngology, Rhinology and Otology

**Journal of Medical Research*

**Journal of Mental Science*

**Journal of Metabolic Research*

*Journal of Missouri State Medical Society
*Journal of Morphology
*Journal of Mycology
*Journal of Nervous and Mental Diseases
*Journal of Neurology and Psychopathology
*Journal of Obstetrics and Gynecology of the British Empire
Journal of Orthopaedic Surgery
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*Journal of Tropical Medicine and Hygiene
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*Kitasato Archives of Experimental Medicine
*Klinische Monatsblätter för Augenheilkunde
*Klinische Wochenschrift
*Kolloid-Zeitschrift
*Kongresszentralblatt für die gesammte innere Medizin und ihre Grenzgebiete
*Krankheitsforschung
*Lancet
*Laryngoscope
*League of Nations, Publications pertaining to Public Health
*Liebig's Annalen
*Lyon Médical
*Madrid Laboratories de Investigationes Trabajos, Ramon y Cajahl
*Mayo Clinics, collected Papers
Mayo Clinics, Proceedings of Staff Meetings
*Medical Clinics of Chicago
*Medical Clinics of North America
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Medical Journal of Australia
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*Medizinal-statistische Mitteilungen aus dem kaiserlichen Gesundheitsamte
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Mitteilungen zur Geschichte der Medizin und Naturwissenschaften
*Modern Hospital
*Monatshefte för praktische Dermatologie
*Monatsschrift für Gerburtshülfe und Gynäkologie
*Monatsschrift für Kinderheilkunde Originale. Referate
*Monatsschrift för Ohrenheilkunde
*Morphologisches Jahrbuch
*Münchener medizinische Wochenschrift
National Research Council Bulletin
*Neurologisches Centralblatt
*La Névraxe
*New England Journal of Medicine and Surgery
*New Orleans Medical and Surgical Journal
*New York Academy of Medicine, Bulletin
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*Nouvelles Archives d'Obstétrique et de Gynécologie
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**Occupational Therapy and Rehabilitation*
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Physical Therapeutics
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Picket-Thompson Research Laboratory, Annals
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**Quarterly Journal of Experimental Physiology*
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**Quarterly Review of Biology*
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**Review of Neurology and Psychiatry*
**Revista Medica de Barcelona*
**Revue de Chirurgie*
**Revue Française de Dermatologie et de Vénéréologie*
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**Tohoku Journal of Experimental Medicine*
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**United States Naval Medical Bulletin*
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Urologischer Jahresbericht
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Published four times a year in the months of March, June, July and August, at Chicago, Ill.

Vol. XVII AUGUST, 1931 No. 4

(Entered as second-class matter October 16, 1914, at the post office at Chicago, Illinois, under the Act of Congress of August 24, 1912.)
Acceptance for mailing at special rate of postage provided for in Section 1103, Act of October 3, 1917, authorized July 27, 1918.

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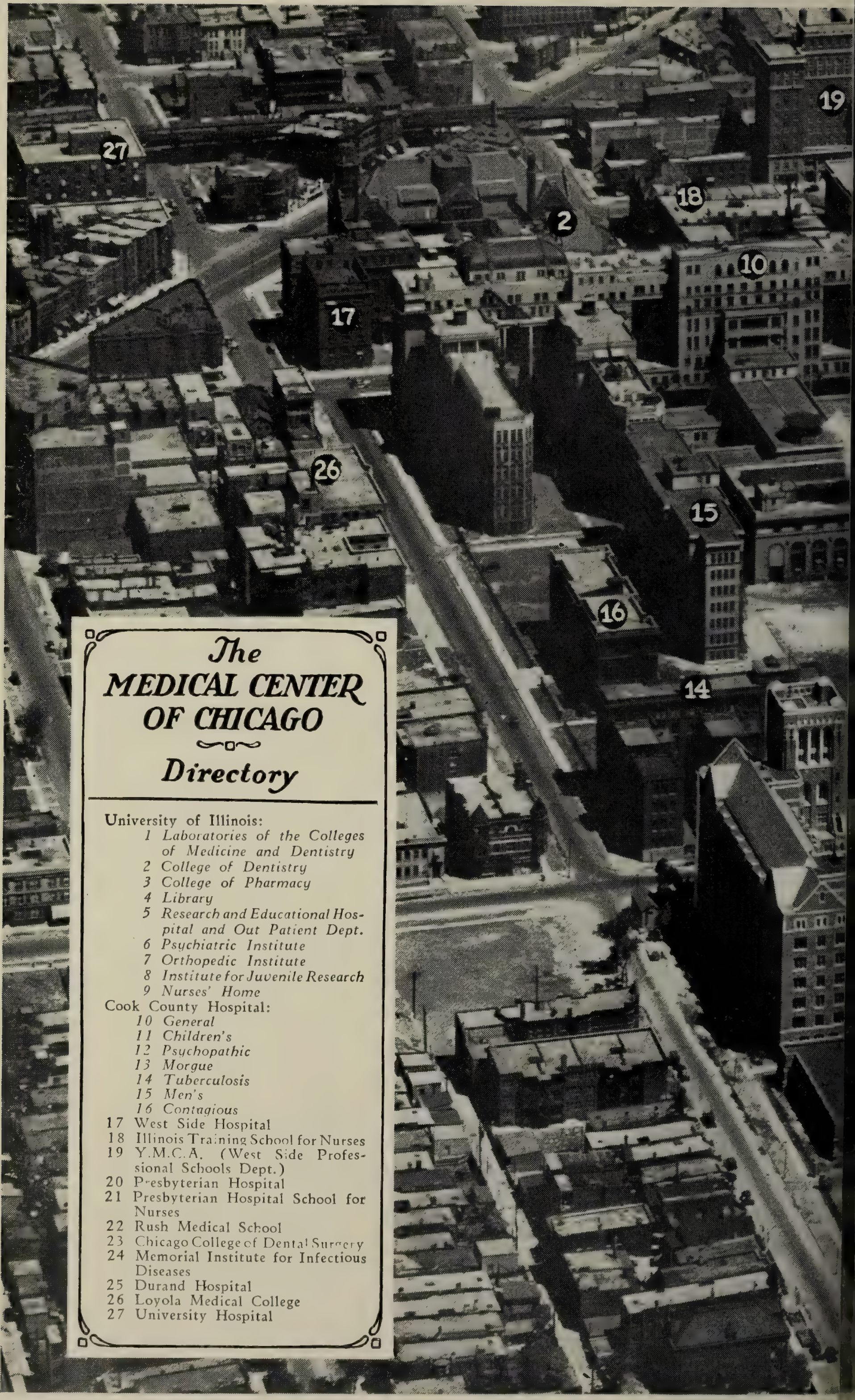

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- 12 *Psychopathic*
- 13 *Morgue*
- 14 *Tuberculosis*
- 15 *Men's*
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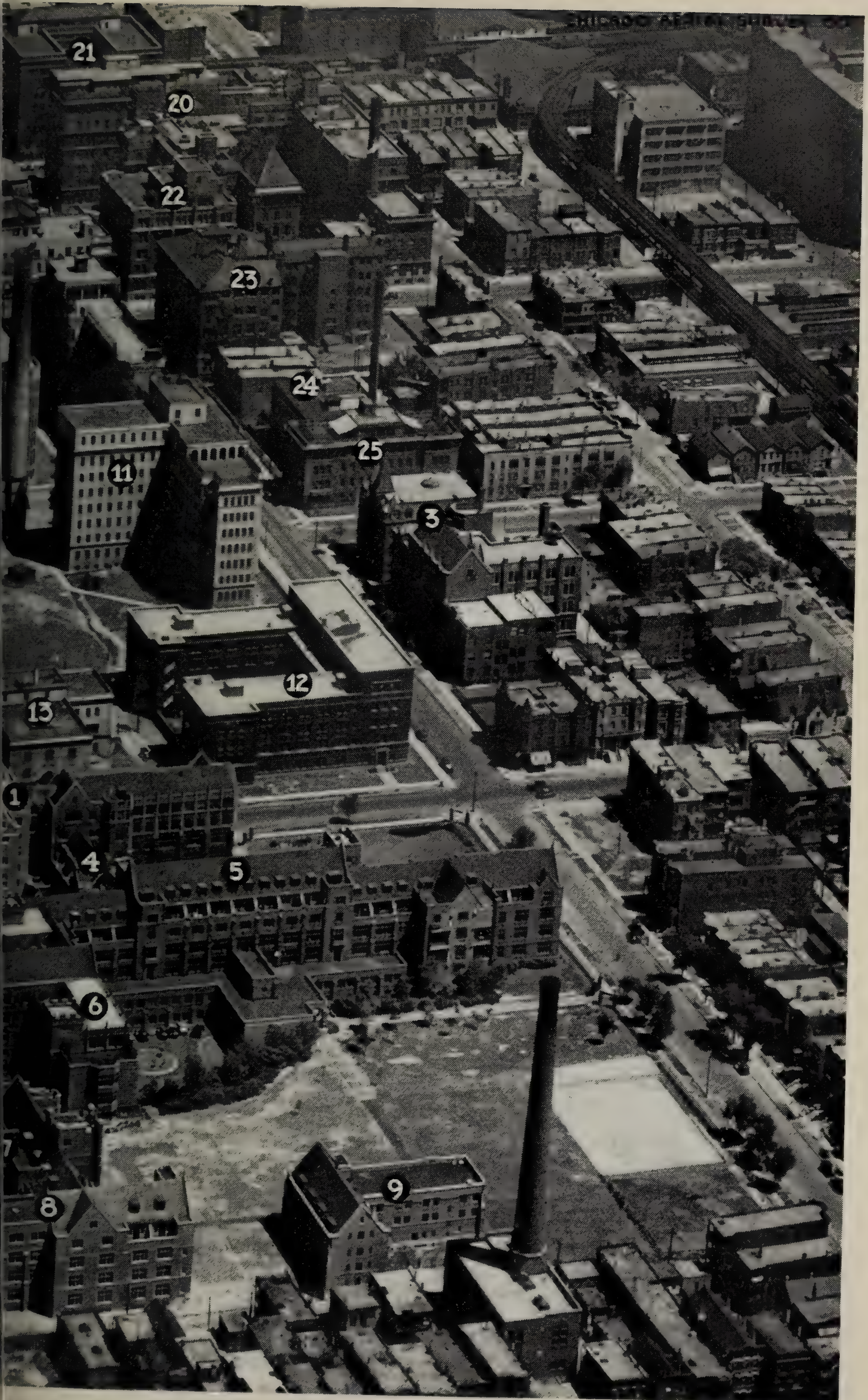
23 Chicago College of Dental Surgery
24 Memorial Institute for Infectious Diseases
25 Durand Hospital
26 Loyola Medical College
27 University Hospital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1931-1932

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1931

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1931

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COLLEGE CALENDAR

1931-1932

FIRST SEMESTER

September 9-12, Wednesday-Saturday
Entrance Examinations. All departments of the University (High School Subjects)

September 28-October 3, Monday-Saturday
Special examinations

October 5, Monday, 8 a.m.-5 p.m.
Registration and payment of fees

October 6, Tuesday, 8 a.m.
Instruction begun

November 25, Wednesday, 12 m.
Thanksgiving recess

November 30, Monday, 8 a.m.
Instruction resumed

December 22, Tuesday, 6 p.m.
Holiday recess begun

January 4, Monday, 8 a.m.
Instruction resumed

January 28-February 2, Thursday-Tuesday
Semester examinations

SECOND SEMESTER

February 8, Monday, 8 a.m.-5 p.m.
Registration and payment of fees

February 9, Tuesday, 8 a.m.
Instruction begun

March 24, Thursday, 6 p.m.
Easter recess begun

March 28, Monday, 8 a.m.
Instruction resumed

May 23-June 4, Monday-Saturday
Final examinations: Second and Fourth Years, May 23-27 inclusive; First and Third Years, May 31-June 4, inclusive

May 30, Monday
Memorial Day

June 9, Thursday
Class Day
Alumni Meeting

June 10, Friday, 10:30 a.m.
Commencement Exercises
Chicago Professional Schools

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Harold Douglas Singer, M.B., M.D., *Professor of Psychiatry and Head of Department of Neurology and Psychiatry*
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Adolph Hartung, M.D., *Professor of Radiology*
Albert Bachem, Ph.D., *Professor of Bio-Physics*
William F. Petersen, B.S. M.D., *Professor of Pathology and Bacteriology*

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*Arranged in the order of their original appointments.
†Deceased July 19, 1931.

George Boris Hassin, M.D., *Professor of Neurology*

Carl A. Hedblom, B.A., M.A., M.D., Ph.D., D.Sc., *Professor of Surgery and Head of Department*

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Willard Van Hazel, A.B., M.D., *Instructor in Surgery*
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THE LIBRARY

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Margaret M. Bates	*Assistant Librarian*

UNIVERSITY OF ILLINOIS
COLLEGE OF MEDICINE

GENERAL DESCRIPTION

BUILDINGS, EQUIPMENT AND LIBRARY

The New Medical and Dental Laboratories Building. This building will be ready for occupancy in September, 1931. The Old Medical College Building will be abandoned, and the work done there for many years will be continued in the new building.

The Research and Educational Hospital. In association with the Department of Public Welfare of the State of Illinois, a group of Hospitals and Laboratories is in operation and the University thereby in a position to offer its faculty adequate facilities for teaching and investigation.

The buildings occupy a campus approximately eight acres in extent, adjacent to the Cook County Hospital. The units now in operation include the following:—Outpatient Dispensary, General Hospital, Medical and Dental Laboratory Building, Library, Orthopaedic Institute, Psychiatric Institute and the Institute for Juvenile Research.

The Hospital has been designed for teaching and investigation. At the present time some 200 beds are occupied and the total of 450, contemplated, will soon be available.

The Outpatient Dispensary. This occupies the main floor of the Hospital Building. It possesses large waiting rooms, suitable suites for all divisions of clinical work, a large amphitheatre, drug dispensary and preparations rooms (used in conjunction with the School of Pharmacy), electrocardiographic and hydrotherapeutic units.

The Library. Joining the Hospital by corridors is the Library for the Colleges of Medicine and Dentistry.

The library contains 40,000 bound volumes and a number of reprints, including the standard textbooks, works of reference, monographs and journal files in the fields of medicine, dentistry and pharmacy. The pharmacy collection occupies part of the main floor of the School of Pharmacy. It contains 5,700 volumes and 2,950 pamphlets and ranks as one of the largest pharmaceutical libraries in the country. In addition to these two collections many of the departments of the three schools are supplied with working libraries.

CLINICAL FACILITIES

DISPENSARY

The Dispensary is divided into eleven departments; medicine, surgery, obstetrics, pediatrics, orthopaedics, otorhinolaryngology, dermatology, ophthalmology, gynecology, neurology, genito-urinary surgery and radiology. At present the number of treatments is limited to about 100,000 per year.

The student examines the cases personally under the guidance of instructors. He is required to make laboratory examinations pertaining to his own cases. Such examinations as the Wassermann reaction are made by the instructors in the laboratory, but the student has opportunity to follow these and to learn the technique involved.

CLINICS

In addition to those in the Research and Educational Hospital and Dispensary more than 600 clinics in over seventy other public and private hospitals in Chicago, each of which appoints several internes annually, are open to students.

Chicago Policlinic, Grant, Mount Sinai, St. Anthony de Padua, University and West Side Hospitals have been affiliated with the College of Medicine for several years. From time to time special clinics are arranged for in these institutions.

Cook County Hospital is located within half a block of the college. This is the largest charity hospital in America, and in it is conducted much of the clinical instruction of the college. During the past year it cared for over 75,000 patients.

The internes, 104 in number, are selected each spring by competitive examination. Only graduates of medical colleges of Cook County are eligible for these examinations. Internes serve eighteen months.

The County Morgue is located in the hospital grounds, and in it daily postmortems are held by the pathologists of the hospital.

The hospital tickets cost $5.00 each. They are for sale at the office of the Warden and admit the holder to all clinics, autopsies, public operations and lectures.

The Municipal Tuberculosis Sanitarium at Crawford and Bryn Mawr Avenues, one of the largest of its kind in the country, has accommodations for 1,280 patients. Small groups of students receive practical instruction in residence there during their senior years.

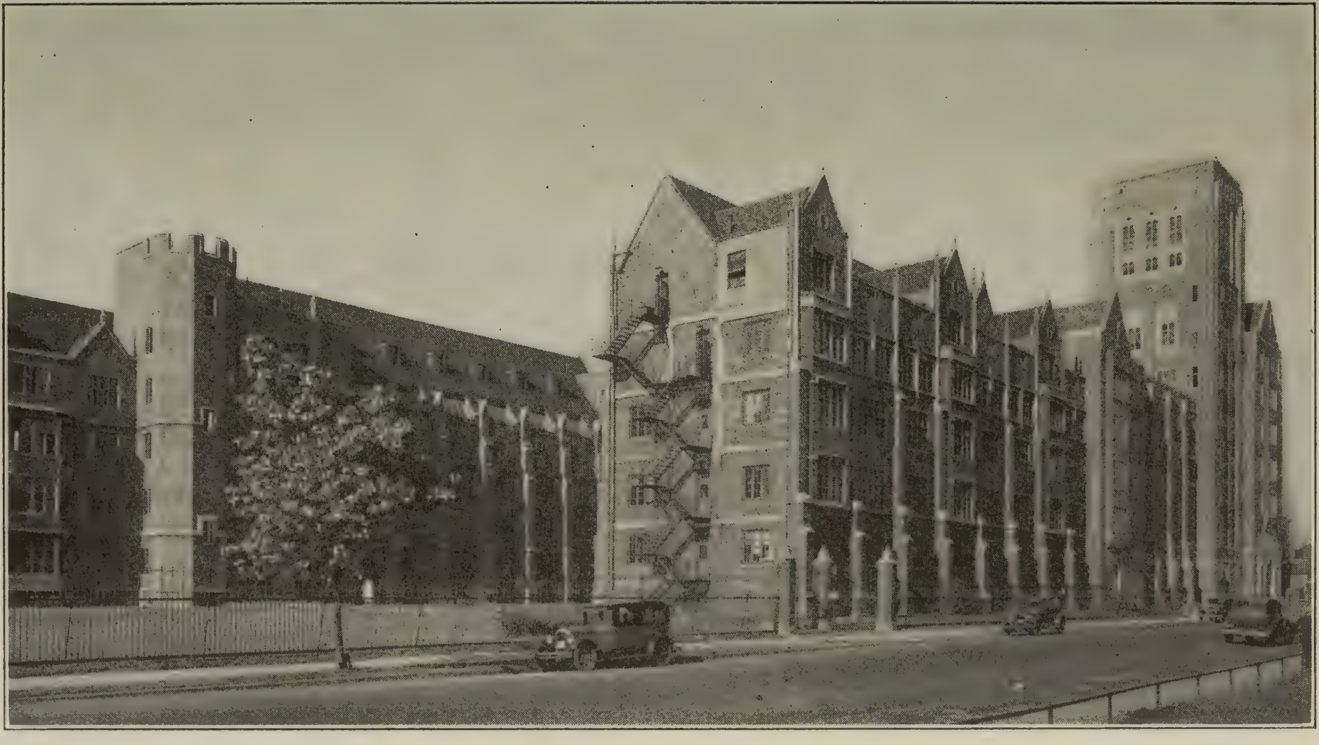
The Municipal Contagious Hospital at 3026 South California Avenue has over 375 beds and deals with 4,000 patients per year. Small groups of senior students spend a short period in residence at this hospital.

Augustana Hospital, 411 Garfield Avenue, has 350 beds. The service covers the field of surgery and medicine with the exception of contagious diseases.

Illinois Eye and Ear Infirmary, Peoria and Adams streets, is devoted to the diseases of the eye, ear, nose and throat. It has accommodations for about 200 inpatients and the number of treatments annually is over 70,000. The material of the Infirmary is accessible for study.

Michael Reese Hospital, 29th and Ellis Avenue, has over 600 beds.

St. Luke's Hospital, 1437 Michigan Avenue, has 659 beds, of which 410 may be used for teaching purposes.



LABORATORIES OF THE COLLEGE OF MEDICINE AND DENTISTRY WITH RESEARCH AND EDUCATIONAL HOSPITAL IN BACKGROUND

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OF THE
UNIVERSITY OF ILLINOIS

THE

GENERAL INFORMATION

ENTRANCE REQUIREMENTS FOR 1932-33

(For 1931 entrance requirements see 1930-31 circular.)

Applications for admission must be made to the Secretary of the College of Medicine in Chicago. No application will be considered unless accompanied by the credentials necessary to determine the student's eligibility for admission. No student who is on scholastic probation at, or who has been dropped for poor scholarship from, the last institution attended prior to seeking admission to the University in its College of Medicine, will be given precedence in registration over students whose records are clear.

For admission to the College of Medicine, candidates must present:*

1. Four years of accredited high school work or the equivalent, comprising not less than 15 units in acceptable subjects prescribed as follows:

English	3 units[1]
Algebra	1 unit
Plane geometry	1 unit
Latin, Greek, German, or French (both units in the same language)	2 units
History and civics	1 unit
Electives	7 units
Total	15 units

2. Two years' work in a recognized college or university, comprising not less than 60 semester hours, exclusive of military, hygiene, and physical education. Each applicant, whether from the University of Illinois, or from other institutions of recognized standing, must have attained in his pre-medical work, a scholastic average of not less than 3.5, or its equivalent as determined by the University of Illinois for institutions using a different grading system (see note 1). In determining the scholastic average, grades received in military science, physical education, and hygiene will not be considered. The work must include prescribed and elective subjects as follows:

Chemistry (including organic chemistry, 4 semester hours)	12 semester hours
Physics (at least 2 hours of laboratory work)	8 semester hours
Zoology (at least 4 hours of laboratory work, see note 2)	8 semester hours
English	6 semester hours
German, French (see note 3)	6 semester hours
Electives outside of the chemical, physical, and biological sciences (see note 4)	6 semester hours
Free electives (see note 4)	14 semester hours
Total	60 semester hours

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*These are the minimum requirements for admission to the College of Medicine. For a broader foundation attention is called to the work indicated on page 23 under "Courses Offered."

[1] By a *unit* is meant a year's work in a single subject, it being understood that the school year shall not be less than 36 weeks in length, that classes shall recite 5 times a week, that the recitation period shall be not less than 40 minutes long, that in science subjects there shall be double periods twice a week and that double time shall be given in subjects like drawing, manual training and bookkeeping, in which little or no outside study is required. Since high-school students ordinarily take four subjects at a time throughout the four years of the high-school course, 15 units represent approximately four years of high-school work.

[2] By a *semester hour* is meant the work of a class meeting one hour once a week for a semester of 18 weeks. Sixty semester hours represent ordinarily two years of college work.

Note 1: The interpretation of this rule is carried out by translation of the literal grade into figures as follows: A = 5; B = 4; C = 3; D = 2; E = 1. The individual grades are multiplied by the respective number of semester hours which each represents and the total of these figures is divided by the number of hours presented less work in military, physical education, and hygiene.

Note 2: Four of these 8 semester hours must consist of laboratory work. This requirement must include a course in general zoology and one in vertebrate embryology. Botany is no longer accepted as meeting any part of the prescribed portion of the requirement.

Note 3: German, French—The student is urged to secure a reading knowledge of one of these languages. This will ordinarily require at least 6 hours' work in the same language in college, or two full years' work (in a class reciting at least 3 periods per week) in college if the language was not begun in high school, or the equivalent.

Note 4: Electives—(a) The following subjects are suggested: Psychology, college algebra and trigonometry, additional English, economics, history, sociology, political science; logic, Latin, Greek; drawing. (b) Among the free electives quantitative chemistry, physical chemistry, botany, and extra zoology are recommended.

Students registered in the medical curriculum—The seven-year medical curriculum offered by the University consists of two years of pre-medical work at Urbana, including the subject requirements stated above, two years of pre-clinical work in the College of Medicine in Chicago (for these four years a B.S. degree may be given), two years of clinical work in the College of Medicine at Chicago, and one year as an interne in a hospital approved by the University. The registration of students at Urbana who have completed the requirements of the first two years of the medical curriculum (the pre-medical work) is continued in the College of Medicine. Students admitted to the second year of the pre-medical curriculum at Urbana, having taken their first year elsewhere will not be permitted to continue their registration in the College of Medicine ahead of candidates from other institutions who have been on the waiting list of the College of Medicine for one year or more. Registration of students is continued in the College of Medicine subject to the following conditions:

1. The student who wishes thus to continue his work in the University must signify his intention to the Registrar on a form provided by him not later than March 1 of the year in which he purposes to continue his work in the Chicago department.

2. The student must comply with the general regulations for registration in the University in the medical course. This includes the payment of fees in advance.

3. No student who is on probation at the University (or who has been dropped for poor scholarship) at the time he seeks to continue his University registration in the College of Medicine, has any claim to precedence in registration over students who come with clear records from the University of Illinois or other institutions.

No conditions are permitted—The full requirements as listed above must be presented at the time of admission. No conditions are permitted.

MAIN BUILDING AS VIEWED FROM THE SOUTHEAST (RESEARCH AND EDUCATIONAL HOSPITALS)

THE
JOHN CRERAR

HOW THE ENTRANCE REQUIREMENTS MAY BE MET

The high-school requirement may be satisfied either by certificate or by examination.

High-School Credits by Certificate

High-school credits will be accepted by certificate from the following sources:

1. From high schools and academies in the State of Illinois which are accredited to the University of Illinois.
2. From schools accredited by the North Central Association of Colleges and Secondary Schools.
3. From schools accredited to the state universities which are included in the membership of the North Central Association of Colleges and Secondary Schools, provided the Illinois standard time requirements are met.
4. From high schools and academies registered by the Regents of the University of the State of New York.
5. From schools approved by the New England College Entrance Certificate Board.
6. From schools accredited by the Southern Association of Colleges and Secondary Schools.
7. From the state normal school of Illinois and other state normal schools having equal requirements for graduation.

High-School Credits by Examination

High-school credits may be made by examination:

1. In the examinations conducted by the Registrar of the University of Illinois at the University in Urbana in January, July and September of each year.
2. In the examinations conducted by the Registrar of the University of Illinois, in Chicago, five times each year, about March 15, June 15, August 25, September 15 and December 15.
3. In the examinations conducted in June of each year by the College Entrance Examination Board.
4. In the examinations conducted by the Regents of the University of the State of New York.

COLLEGE CREDITS

College credits will be accepted *by certificate* from recognized colleges which require for admission the completion of at least 14 units of high-school work in an accredited high school or the full equivalent thereof, and for graduation, in addition, four years of college work; and also from recognized junior colleges and state normal schools.

A letter of honorable dismissal from the last collegiate institution attended is required.

COURSES OFFERED

While the minimum requirements for admission prescribe two years of liberal arts and science work, it is to the advantage of the student to present more than this amount of pre-medical work.

Attention is called to the fact that the University at Urbana offers the following choice of courses:

1. A course of nine years—four in the College of Liberal Arts and Sciences at Urbana, leading to the degree of Bachelor of Arts, followed by five years in the College of Medicine in Chicago, leading to the degree of Doctor of Medicine. This course of study is recommended to young men who can afford the time for it, and who are of the average age graduation from the public high schools.

2. An eight-year course—three years in the College of Liberal Arts and Science at Urbana, followed by five years in the College of Medicine in Chicago. Students taking this course are permitted, at the end of their first year in the College of Medicine, to transfer credits in the medical sciences to complete the requirements for graduation of the College of Liberal Arts and Sciences and receive the degree of Bachelor of Arts. On the completion of five years in the College of Medicine they receive the degree of Doctor of Medicine.

REGISTRATION

Students must register in the office of the secretary immediately upon the opening of the term for the work of that term, and credit will be allowed only for the subjects in which they are registered. Students will be registered in the order in which their fees are paid. Owing to limited space the number of first year students is restricted to one hundred and seventy-five.

COLLEGIATE YEAR

The year is divided into two semesters of seventeen weeks each. Attendance upon the full session is required in order to secure credit for a year's work.

FEES AND EXPENSES[1]

All fees other than the tuition fee are payable in full at the time they are assessed. The tuition fee for each year is payable in two equal installments on registration day at the beginning of each semester. A student is not registered until his fees are paid.

Matriculation Fee. Each student not holding a scholarship, on satisfying the requirements for admission to the University, pays the matriculation fee of $10

This fee is only assessed once for any student in the University of Illinois.

Tuition and Laboratory Fee. All students in the College of Medicine, residents of Illinois, pay each year a tuition and laboratory fee of.......$200 Students holding a scholarship pay the laboratory fee only. Laboratory fees are assessed only for the specific laboratory courses taken. Students in the College of Medicine, not residents of Illinois, pay each year a tuition and laboratory fee of.................................$300

Late Registration Fee. Former students who enter after the registration days are charged a late registration fee of.......................... $5

Special Examination Fee. For any special examination a fee is charged amounting to $5

Diploma Fee. Each student pays for each diploma received from the University a fee of.. $10

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[1] The Trustees reserve the right to change the fees at any time through publication in the annual announcement.

MAIN READING ROOM OF THE LIBRARY

THE LIBRARY
OF THE
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THE
JOHN

Listener's Fee. Listeners and visitors pay the following fees:

For each 25 clock hours or a fraction thereof, residents of Illinois....	$10
Persons not residents of Illinois....................................	$20
Maternity Service Fee..	$15

Special fees are charged for the material in special courses in dissection; see Anatomy 60 and Otolaryngology 80.

Students permitted to take more or less than the regular schedule, to the extent of a difference of more than 64 clock hours, will be charged proportionately more or less tuition fees.

Copy of original transcript of record, $1.00; for each carbon copy of same, fifty cents. Each student is entitled to one transcript of record without a fee, but he must pay for extras in the way of carbon copies supplied with the original transcript or for the second request for the original.

Note.—County Hospital Ticket, $5.00.

No members of the instructional staff are allowed to accept special fees.

In case a student withdraws from the school within ten days after the beginning of the instruction the total amount of his fees except the matriculation fee will be refunded. After ten days and before the expiration of the month a refund of three-fourths of the tuition and laboratory fees will be made. After one month and before the expiration of two months a refund of one-half of these fees will be made. After two months and before the expiration of three months a refund of one-fourth of the fees will be made. After the expiration of three months no part of the fees will be refunded.

Alumni are admitted to all regular courses, without charges, except in laboratory work, in which a charge is made for material actually used.

Each student is required to provide himself with a compound microscope and a haemocytometer equipped to meet the requirements of the work of the curriculum.

Living Expenses

The expenses of living in Chicago are less than in most large cities. From fifty to seventy-five dollars per month may be regarded as adequate for the ordinary living expenses of a student exclusive of books, clothing, railroad fare and miscellaneous needs.

The expense for books varies between $25.00 and $50.00 a year. The instructors at the beginning of each course direct their students in regard to the purchase of text-books.

Student Loan Funds

A number of loan funds have been established for the benefit of worthy students who are in need of financial aid in order to finish their courses in the University. For more detailed information apply to the Secretary of the College of Medicine.

SCHOLARSHIPS, LECTURESHIPS, PRIZES, ETC.

SCHOLARSHIPS

Rea Scholarships—Through the generosity of the late Professor R. L. Rea a fund has been provided for scholarships each year for worthy students. These scholarships are awarded annually by the officers of the Faculty.

For the session of 1930-1931, they were granted to the following students:

David Cohen	Samuel Alvin Loseff
Theodore Hudson	Harold Oakes

(For circulars giving more detailed information concerning scholarships, apply to the Registrar of the University, Urbana.)

The following undergraduate scholarships relieve the holder of the payment of the matriculation and tuition fees:

General Assembly Scholarships—One nomination annually by each member of the General Assembly. Under the law, nominations must be received by the President of the University not later than the first Monday in July of the year in which the scholarship is to become effective.

State Military Scholarships—For World War Veterans. Special provisions passed by the General Assembly in 1919.

THE WILLIAM BEAUMONT MEMORIAL FUND

Dr. Frank Smithies of Chicago has endowed an annual prize of $100 in memory of William Beaumont, the famous surgeon of the nineteenth century who made valuable contributions to the knowledge of the digestive system. The prize is awarded to the student or faculty member of the College of Medicine who submits the best original work in the study of diseases of the alimentary tract; it is administered by a committee appointed by the Dean of the College of Medicine. The fifth award was made on June 13, 1931, to Alexander John Nedzel, M.D.

MEMORIAL LECTURESHIP

In commemoration of members of the Alumni, Faculty and Student Body who lost their lives during the World War, the Alumni, Faculty and Students have raised a fund sufficient to establish a Memorial Lectureship. One lecture is delivered annually by a prominent educator on a subject of general medical interest.

ADOLPH GEHRMANN LECTURESHIP

In accordance with the will of Mrs. Albertina Gehrmann, widow of the late Adolph Gehrmann, for many years Professor of Bacteriology and Hygiene in the College of Medicine, the sum of $10,000 was given for the establishment and support of a Lectureship in the College of Medicine of the University of Illinois, in memory of Dr. Gehrmann. The sixth of this series of lectures was delivered by Dr. Alice Hamilton, of Harvard University, on May 12, 13 and 14, 1931, her general subject being, "Recent Advances in Industrial Toxicology."

CHARLES S. BACON LECTURESHIP

In 1927 Dr. Charles S. Bacon on reaching the retiring age was made Professor Emeritus of Obstetrics. On this occasion the Members of the Faculty and friends of Dr. Bacon contributed the sum of $5,000 to found the Charles S. Bacon Lectureship in Obstetrics. The proceeds of this amount is used to defray the expenses of a lecture given each year at the University of Illinois College of Medicine. The third of this series of lectures will be given in the fall of 1931 by Dr. Herbert U. Evans, of the University of California.

THEODORE B. SACHS RESIDENCY

The Chicago Tuberculosis Institute has granted the College $2500 a year for a period of five years to establish a Theodore B. Sachs Residency in the field of tuberculosis and allied diseases. During the 1930-31 session this was occupied by Dr. Franz von Groer, Director of the Pediatric Department of the University of Lemberg, Poland.

JAMES BURKETT DEUSS MEMORIAL

A prize of $100 is given on alternate years for the best contribution in the field of allergy by any registered student or member of the faculty of the College of Medicine.

A series of Medico-historical Lectures is held in the Library on alternate Wednesdays during the school year. These lectures are given by the members of the faculty of the College of Medicine and of the various related departments of Urbana and by Chicago physicians and distinguished visitors interested in medical history.

THE COURSE IN THE COLLEGE OF MEDICINE

REQUIREMENTS FOR GRADUATION

A candidate for graduation must meet the following requirements:

1. He must show evidence of good moral character.

2. He must have paid all indebtedness to the college.

3. In order to receive the degree of Bachelor of Science in Medicine he must have secured grades of not less than 75% in at least three-fourths of the work of the first two years.

4. To receive the degree of Doctor of Medicine he must have spent four years in attendance, the last one at least of which must be in residence at the University of Illinois, completed the prescribed curriculum and in addition have satisfactorily finished a hospital course of not less than twelve months' duration in a hospital affiliated with or approved by the University of Illinois, or a year of research work acceptable to the University.*

Graduation With Honors

A student who complies with the requirements for graduation and who attains in all work presented for the degree, the average grade specified below, may be recommended by the University Senate for the honors stated: For an average grade of not less than 4.35, Graduation with Honors; for an average grade of not less than 4.75, Graduation with High Honors. The honors conferred shall be noted upon the diploma and commencement program.

GENERAL PLAN OF INSTRUCTION

During the first two years the work is confined mainly to the fundamental sciences, and the time of the student is largely devoted to laboratory work. During the first year this consists of work in anatomy, histology, embryology, neurology, chemistry and physiology. During the second year the study of physiology is continued and in addition the student takes up bacteriology, pathology, laboratory diagnosis, pharmacology, physical diagnosis, medicine, surgery and obstetrics and hygiene.

During the third and fourth years the time is devoted to the various clinical branches, emphasis being given to practical instruction in dispensary and hospital clinics.

In the fourth year clinical clerkships are established to be operated at one time for one-fourth of the class and for a period of two months. This one-fourth of the class is further divided into four sections, one section being

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*See Medical Practice Act of the State of Illinois, Senate Bill No. 439, Approved June 30, 1923, Section 5 (b).

LIBRARY AND PASSAGE WAY TO HOSPITAL WITH
NEW LABORATORY BUILDING IN BACKGROUND

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UNIVERSITY OF ILLINOIS

assigned to Medicine, one to Surgery, one to Obstetrics and one to service in outside hospitals. The students on service in outside hospitals are excused from attendance on all lectures and clinics but are held responsible for the subject matter of the courses from which they have been excused.

The fifth year consists of a twelve months' interne service in a hospital affiliated with or approved by the University. Research work may be substituted for the hospital work of the fifth year.

Students are prohibited from doing work that interferes in *any way* with the fulfillment of the requirements of the curriculum. Unofficial clinical work may not be substituted for the official requirements of the curriculum.

ELECTIVES

In the third year the student must elect two hours per week in each semester.

In the fourth year five and one-half hours per week of elective work must be taken from the optional subjects and at least one hour of these electives must be selected from the optional subjects in surgery.

This elective work of the third and fourth years may be either in preclinical or clinical subjects. A student may in this way emphasize his training in some particular subject or subjects. The elective work may be counted for graduate credit provided the student registers in a course recognized for graduate credit by the graduate faculty and can satisfy the head of the department concerned as to his ability to pursue the work he proposes to undertake.

RULES AND REGULATIONS

The rules governing such matters as examinations, promotions, failures, etc., are to be found in a booklet entitled, "Regulations for the Guidance of Undergraduate Professional Students," which is given to all students when they enter the College.

SIGNIFICANCE OF GRADES

The percentage system of grading is used, and 70% is the passing grade.

Where it is necessary to translate percentage to literal grades, or vice versa, the following values are used: A, 92 to 100%; B, 85 to 91%; C, 75 to 84%; D, 70 to 74%.

ADMISSION TO LICENSING EXAMINATIONS IN ENGLAND

On the recommendation of the Committtee of Management of the Examining Board in England, the Royal College of Physicians and Surgeons has added the University of Illinois to the list of Universities whose medical departments are recognized by that Board. By this action, graduates of this institution are exempted from all preliminary examinations and admitted to the final licensing examination of the Examining Board.

CORRESPONDENCE

For further information address

The College of Medicine
University of Illinois
1853 West Polk Street
Chicago

DESCRIPTIONS OF COURSES IN MEDICINE[1]

ANATOMY

Professor Kampmeier; Associate Professor Reagan; Assistant Professors Cooper, Zimmermann; Dr. von Bonin, Dr. Zechel, Dr. Joranson, Dr. Webb, Dr. Simer, Dr. Fisch, Dr. Boelio, Dr. Stein, Dr. White, Dr. Burrows, Dr. Madden, Dr. Pilka, Dr. Batko, Dr. Weiner, Dr. Bancroft, Dr. Vacin

Required Course—First Year

To insure greater correlation and unity in the presentation of the content of *Human Anatomy,* the following major divisions, formerly separate and independent courses, are merged into a single course. Hence, their subject matter extends in continuity throughout both semesters:

1. **Histology:** Cytology, general histology or study of fundamental tissues, and organology.

2. **Embryology:** General embryology, organogeny and teratogeny.

3. **Systematic and Regional Anatomy:** Complete dissection of the human body: superior extremity; thorax; abdomen; pelvis; inferior extremity; head and neck.

4. **Neurology:** The gross and microscopic anatomy of the nervous system, including the sense organs.

The number of clock-hours allotted to the study of each division may vary from week to week, but their total number during the year is approximately the same as that given to the respective courses in previous years: 72 hours of embryology, 72 of neurology, 144 of histology, and 288 of systematic and regional anatomy.

Lectures and demonstrations: 6; laboratory: 12 hours. *II.*

Professor Kampmeier, Associate Professor Reagan, Assistant Professors Zimmermann, Cooper, Dr. von Bonin, Dr. Zechel, Dr. Webb, instructors and assistants

Required Course—Third Year

6. **Topographical Anatomy.**—Topography and relations of the various regions, systems and organs of the body; correlation of subject matter with that of clinical conditions and procedure. 2 two-hour periods. *I.*

Dr. Zechel and assistants

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[1] The Arabic numerals preceding the captions indicate the numbers of the courses. Unless otherwise specifically stated, the Arabic numerals following the description of courses indicate the number of one-hour periods. The Roman numerals *I* and *II* indicate the number of semesters over which the course extends.

ELECTIVE COURSES

51. Microscopical Technic.—Preparation of objects; injecting bloodvessels and lymphatics; maceration, digestion and corrosion, decalcification; fixation of tissues, embedding, sectioning, staining, mounting, etc. 1 two-hour period. *II.* Limited to a few qualified students. Dr. BOELIO

52. Medical Illustrating.—Drawing, including perspective values and their adaptation to the representation of medical subjects; normal and pathological specimens, both gross and microscopic; media adapted for representing certain conditions and structures, and for special methods of reproduction, such as line work, half tone and lithography. 2 two-hour periods. *I.* Limited to four students.
Assistant Professor JONES

53. Fetal Anatomy.—Dissection of late human fetuses and newborn, with consideration of problems of development, growth and fetal physiology. 2 two-hour periods. *I.* Limited to a few qualified students.
Assistant Professor ZIMMERMANN

54. Medical Statistics.—Biometry, based on the principles of the calculus of probability, and its application to problems of morphology, medicine, and the statistics of population. 2. *I.* Dr. VON BONIN

55. Preparations for Anatomical Museum.—The creation of special dissections, reconstructions, models and demonstration specimens for the anatomical teaching collection requiring skill, ingenuity, neatness and accuracy in execution. 2 two-hour periods. *I.* Limited to two or three qualified students.
Professor KAMPMEIER and other members of staff

56. Physical Anthropology.—Phylogeny of human races, anthropometry of the living and of skeletal material; anthropogeography, racial physiology and pathology; growth of populations and racial distributions of modern man; social anthropology, racial psychology and eugenics. The substance of the course on Medical Statistics is presupposed. 2. *I.* Dr. VON BONIN

COURSES PREPARATORY TO SPECIALIZATION

60. Dissection.—This course provides for complete or partial dissection of the human cadaver and is for physicians and surgeons only. The length of the course does not exceed four months and is limited to the spring and summer periods until more space is available. Special instruction is given only if four or more persons are taking the course at the same time, and if they desire it. The fee for the period of four months is $100.00, which may be shared by not more than two students.

Seminar.—Critical reviews of recent anatomical literature, preparation of bibliographies and of scientific papers for publication. Presentation and discussion of the results of investigations.

Research.—Opportunity is given to physicians who wish to do investigative work and to students who have had three years of university training. A reading knowledge of French and German is essential.

COURSES FOR GRADUATES

101. Morphology, Experimental Morphology and Functional Anatomy.—Cytological and morphological changes in the organism which are directly correlated with normal processes, such as reproduction, differentiation, nutrition, growth, variation, regulation, regeneration, activity, secretion, rest, fatigue, senility, etc. *One or two units.*
Professor KAMPMEIER, Associate Professor REAGAN

102. Individual Research.—In Embryology, Cytology and Histology, Neurology, Anthropology and Biometrics, Experimental Morphology, Functional and Applied Anatomy. *One or two units.*
Professor Kampmeier, Associate Professor Reagan

CRIMINOLOGY, SOCIAL HYGIENE AND MEDICAL JURISPRUDENCE

Professors Schroeder, Yarros; Assistant Professor Barrick; Dr. Deutsch, Mr. Wham, Dr. Selling, Dr. Geiger, Dr. Brown

Required Course—Third Year

5. Criminology and Behavior Problems.—Principles of criminology and social hygiene as applied to medicine; venereal problems. 1. *I.*
Professors Schroeder, Yarros

Required Course—Fourth Year

6. Medical Jurisprudence.—The principles of law governing individual and professional rights and obligations; responsibilities arising from the relation of physician and patients; confidential character and inviolability of such relation; medical laws of various states. Medical ethics. Lectures, 1. *I.* Mr. Wham

Elective Courses—Fourth Year

56. Mental Hygiene.—Mental hygiene in infancy and childhood. 1. (*eight weeks*). *I.* Professor Schroeder

57. Mental Hygiene.— Mental hygiene of adolescence. Educational counsel and vocational guidance. 1. *(eight weeks). I.* Professor Schroeder

58. Clinical Administration of Behavior Problems.—Probation treatment and parole. 1. *I.* Dr. Barrick, Dr. Geiger

Courses for Graduates

101. Research in Juvenile Behavior.—*One to three units.*
Professor Schroeder

103. Special Abilities and Disabilities.—*One or two units.* Dr. Brown

104. Psychological Tests.—*One or two units.* Dr. Brown

105. Psychology of Behavior Problems.—*One or two units* Dr. Brown

DERMATOLOGY

Professor Senear; Assistant Professors Wien, Weber; Dr. Cornbleet, Dr. Krasnow, Dr. Rattner, Dr. Caro, Dr. Perlstein, Dr. Pace, Dr. Scuderi, Dr. Dr. Bergen, Dr. Mortimer, Dr. Rosenthal, Mr. Schorr

Required Course—Third Year

1. Practice.—Lectures, 1. *I.* Professor Senear, Assistant Professor Wien

REQUIRED COURSES—FOURTH YEAR

2. Clinic.—1. *II.* Professor SENEAR

9. Clinic.—Dispensary, including instruction in roentgenology. 3 one-hour periods. *(four weeks). I.*
Professors SENEAR, BACHEM, Assistant Professors WIEN, WEBER, Dr. CORNBLEET, Dr. RATTNER, Dr. KRASNOW, Dr. PACE, Dr. CARO, Dr. PERLSTEIN

ELECTIVE COURSES—FOURTH YEAR

50. Syphilis.—Diagnostic and therapeutic methods employed. 1. *(eight weeks). I.* Professor SENEAR, Assistant Professor WIEN

51. Dermatology.—Special diagnostic and therapeutic methods. 1. *(eight weeks). I.* Professor SENEAR, Assistant Professor WIEN

COURSE FOR GRADUATES

101. Research in Dermatology.—*One to three units.* Professor SENEAR

LARYNGOLOGY, RHINOLOGY AND OTOLOGY

Professor PIERCE; Associate Professors BECK, LEDERER; Assistant Professors HOLINGER, W. H. THEOBALD, J. J. THEOBALD; Dr. LIVINGSTON, Dr. BREDLAU, Dr. SHAPIRO, Dr. SPIESMAN, Dr. HALPER, Dr. FOX, Dr. KANE, Dr. COOMBS, Dr. HARNED, Dr. VAN ALYEA, Dr. COOTE, Dr. GUTTMAN, Dr. OSTROM

REQUIRED COURSES—THIRD YEAR

3. The Ear, Nose and Accessory Sinuses.—Surgical anatomy, physiology, pathology and treatment. 1. *I.* Professor PIERCE, Associate Professor LEDERER

11. The Mouth, Pharynx and Larynx.—Surgical anatomy, applied pathology and treatment. 1. *I.* Professor PIERCE, Associate Professor LEDERER

13. Clinic Dispensary.—Research Hospital. Small groups are instructed in history taking, methods of examination and treatment, under supervision. 3 two-hour periods. *(three weeks). I.* Associate Professor LEDERER and staff

14. Clinical Otolaryngology.—Research Hospital. Cases of interest which have been well studied are presented before this group to illustrate the practical points in diagnosis and differential diagnosis. Pathology and indications for treatment and operation are thoroughly discussed. 1 two-hour period. *(eight weeks). I.* Associate Professor LEDERER, Assistant Professors W. H. THEOBALD, J. J. THEOBALD, Dr. S. SHAPIRO, Dr. VAN ALYEA

ELECTIVE COURSES—FOURTH YEAR

50. Advanced Anatomy and Physiology of Ear, Nose and Throat.—8 hours. Professor PIERCE, Associate Professor LEDERER

51. (a.) Studies in Development of the Otic Capsule.
(b.) Development of the Pneumatic Spaces of the Nose and Ear.—8 hours. Professor PIERCE, Associate Professor LEDERER

52. Advanced Clinical Otolaryngology.—8 hours.
Associate Professor LEDERER

53. Research and Experimental work in Otolaryngology.—8 hours.
Professor PIERCE, Associate Professor LEDERER

PHYSICIANS' EXTENSION COURSES

80. Clinical Course.—This course is primarily intended for Post-Graduates in the Department of Otolaryngology. It is designed to present standardized methods in diagnosis and the problems of treatment based upon the pathological findings of cases in the ambulatory clinics of the Research and Educational Hospital. Case history taking, methods of examinations, special anatomy (optional)*, gross pathology and indications for treatment and operation are stressed. The work is done for the most part independently under proper supervision and direction. An effort is made to assist the students in some of the more difficult phases of their clinical work by practical demonstration courses, which are also available as review courses for men already established in special practice. The course extends over a period of four months and for three periods a year. The fee for each period of four months is $100.00. Hours: 10 to 12 a.m. and 2 to 4 p.m., six days a week. THE STAFF

81. Functional Tests of the Ear.—(a) Cochlear apparatus with special consideration of the use of tuning forks; (b) Vestibular apparatus with special reference to the caloric, rotatory and galvanic tests. 10 hours. Minimum, 5 students. Fee, $25.00. Dr. S. L. SHAPIRO

82. Tuberculosis of the Larynx.—Municipal Tuberculosis Sanitarium. Demonstration upon patients of typical aspects of the disease with exact description of differential diagnosis and method of therapy. 12 hours. Limited to two students. Fee, $50.00. Associate Professor LEDERER

83. Intubation and Tracheotomy.—Municipal Contagious Disease Hospital. Demonstration upon patients with discussion of indications and treatment; manikin practice. 12 hours. Limited to two students. Fee, $50.00.
Associate Professor LEDERER

84. Histopathology of the Ear, Nose and Throat.—Demonstration of gross and microscopic specimens; laboratory technique. 20 hours. Limited to 4 students. Fee, $50.00. Dr. SPIESMAN, Dr. FOX

85. Bronchoscopy and Esophagoscopy.—Research Hospital. Demonstration of methods of examination, indications and contraindications; technique of bronchography. 12 hours. Limited to two students. Fee, $50.00.
Associate Professor LEDERER

86. Otoneurology.—Vestibular apparatus in relation to labyrinthian disease, brain tumors and head injuries. 10 hours. Limited to 5 students. Fee, $25.00. Dr. S. L. SHAPIRO

87. Surgical Anatomy and Surgery of the Mastoid.—Demonstration of specimens and technique of operation. 10 hours. Limited to 2 students. Fee, $50.00. Associate Professor LEDERER

88. (a) Surgical Anatomy of the Nose and Sinuses.

(b) Clinical Aspects of Sinus Disease.—10 hours. Minimum registration, 5 students. Fee, $25.00. Assistant Professor W. THEOBALD, Dr. VAN ALYEA

(Note: Courses 81 to 88, inclusive, may be registered for individually or in groups, the time being arranged for with the instructors.)

Seminar.—Presentation and discussion of clinical cases; critical reviews of results of investigations and recent literature. THE STAFF

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*The work in special anatomy is arranged for with the Department of Anatomy and it is given only during the second semester of each year. An extra fee of $50.00 is charged for a period not to exceed four months.

COURSE FOR GRADUATES

101. Research in Laryngology, Rhinology and Otology.—*One to three units.* Professor PIERCE, Associate Professor LEDERER

MEDICINE

Professor WILLIAMSON, *Head of Department*

INTERNAL MEDICINE

Professors WILLIAMSON, LEWISON, STRAUSS, KEETON; Associate Professors CHAUVET, MOORE, MEYER, PILOT, GOLDBERG; Assistant Professors SINGER, WILSON, SAWYER, VANDERKLOOT, CIPRIANI, PROPST, PERLSTEIN, GUNNAR, FREILICH, FOLEY, STREICHER, BIRCH; Dr. RABENS, Dr. GOLDWASSER, Dr. KRONENBERG, Dr. DEUSS, Dr. KLEMPTNER, Dr. DALITSCH, Dr. FELDMAN, Dr. RICHTER, Dr. FISCHER, Dr. ROSENBLOOM, Dr. FISCH, Dr. BOLOTIN, Dr. BOWMAN, Dr. KARTOON, Dr. NELSON, Dr. RAGINS, Dr. SOLOWAY, Dr. BECKER, Dr. MARSHALL, Dr. AMTMAN, Miss HOOD, Dr. GOLUB, Dr. GROSZ, Dr. GURVEY, Dr. AFREMOW, Dr. CRUDIM, Dr. DE TRANA, Dr. KLEIN, Dr. NAGEL, Dr. PEARLMAN, Dr. YONAN, Dr. SMITH, Miss DICKSON

REQUIRED COURSES—SECOND YEAR

2. Physical Diagnosis.—Practical drill on normal subjects; given to small sections of the class. (a) 1. *I.* (b) 1 two-hour period. *I.*
Professor LEWISON, Associate Professor CHAUVET, Assistant Professor FREILICH

3. Practice.—Lectures and conferences with special reference to Diseases of Metabolism. 1. *I.* Professor KEETON

4. Practice.—Lectures and conferences. 2. *I.* Assistant Professor PROPST

REQUIRED COURSES—THIRD YEAR

5. Practice.—A general survey of the important diseases as a foundation for the clinical courses. A continuation of the similar course of the second year. 2. *II.* Assistant Professors SAWYER, CIPRIANI, VANDERKLOOT, Dr. DEUSS

6. Clinic.—Research Hospital. Selected topics. 1 two-hour period. *I.*
Professor WILLIAMSON

7. Clinic.—Research Hospital. Selected topics, with special reference to Diseases of Metabolism. 1 one-hour period. *I.* Professor KEETON

8. Clinic.—Research Hospital. Selected topics. 1 two-hour period. *(eight weeks).* I. ——————

9. Clinic.—Cook County Hospital. Tuberculosis Wards. 1 two-hour period. *(eight weeks). I.* Assistant Professor FREILICH

10. Clinic.—Cook County Hospital. Selected topics. 1 two-hour period. *(eight weeks). I.* Associate Professor MEYER

11. Clinic.—Cook County Hospital. Selected topics. 1 two-hour period. *(eight weeks). I.* Associate Professor PILOT

13. Clinic.—Research Hospital. Selected topics. 1 two-hour period. *(eight weeks). I.* Assistant Professor BIRCH

15. Clinic.—Cook County Hospital. 1 two-hour period. *(eight weeks). I.*
Assistant Professor GUNNAR

23. Physical Diagnosis Clinic.—Cook County Hospital. Tuberculosis Wards. 1. *I.*
Professor Lewison, Associate Professor Chauvet, Assistant Professor Freilich

27. Clinic.—Dispensary. Practical work on out-patients, with special stress laid upon history taking. Most of the important diseases of an ambulatory nature common to the temperate zone may be seen here. 3 two-hour periods. *(three weeks). II.* Professor Keeton, Associate Professor Moore, Assistant Professors Singer, Wilson, Gunnar, Perlstein, Foley, Streicher, Birch, Dr. Rabens, Dr. Goldwasser, Dr. Klemptner, Dr. Feldman, Dr. Fischer, Dr. Dalitsch, Dr. Richter, Dr. Rosenbloom, Dr. Bolotin, Dr. Soloway, Dr. Grosz, Dr. Marshall, Dr. Fisch, Dr. Golub, Dr. Becker, Dr. Gurvey, Dr. Kartoon, Dr. Nelson, Dr. Ragins, Dr. Amtman, Dr. Crudim, Dr. De Trana, Dr. Nagel, Dr. Pearlman, Dr. Yonan, Dr. Smith, Miss Dickson

Elective Courses—Third Year

49. Diseases of the Liver.—1. *I.* Dr. De Trana

50. Diseases of the Gastro-intestinal Tract.—Lectures and demonstrations. 1. *I.* Associate Professor Meyer

51. Clinico-pathological Lectures and Demonstrations.—(Limited to one-eighth the class.) 1. *(eight weeks). I.* Assistant Professor Singer

52. Diseases of the Heart.—1. *I.* Professor Strauss

53. Principles of Medicine.—Review course. 2. *I.* Dr. Kronenberg

Required Courses—Fourth Year

12. Seminar in the Classics of Medicine.—A study of the epoch-making contributions. (Individual assignments.) 1. *I.* Professor Williamson, Assistant Professors Foley, Birch, Streicher, Dr. Deuss

14. Practice.—Continuation of the course of study of previous year. Lectures, illustrated with charts and lantern slides. Diseases of the lungs and pleura, first semester; diseases of the circulatory apparatus, second semester. 1. *II.*
Professor Lewison, Assistant Professor Gunnar

16. Clinic.—Research Hospital. Selected topics. Special stress is laid upon the newer methods of diagnosis as applied to clinical medicine. 1 one-hour period. *II.* Professor Williamson

18. Clinic.—Research Hospital. Selected topics. 1 two-hour period. *I.*
Associate Professor Moore

21. Clinic.—Cook County Hospital. Selected topics, with special reference to laboratory methods. 1 two-hour period. *I.* Assistant Professor Singer

22. Ward Clinic.—Research Hospital. Selected topics, with special reference to the liver and biliary apparatus. 1 two-hour period. *(eight weeks). I.*
Assistant Professor Foley

24. Ward Clinic.—Research Hospital. Selected topics, with special reference to the gastrointestinal tract. 1 two-hour period. *(eight weeks). I.*
Assistant Professor Streicher

25. Ward Clinic.—Cook County Hospital. Selected topics. 1 two-hour period. *I.* Professor KEETON

26. Clinic.—Research Hospital. Selected topics. 1 two-hour period. *(eight weeks). I.* Assistant Professor PERLSTEIN

39. Clinic.—Cook County Hospital. Selected topics with special reference to diseases of the circulatory apparatus. 1 two-hour period. *I.* Professor STRAUSS

ELECTIVE COURSES—FOURTH YEAR

54. Diseases of the Gastro-intestinal Tract.—Lectures and demonstrations. 1. *I.* Associate Professor MEYER

55. Clinico-pathological Lectures and Demonstrations.—(Limited to one-eighth the class.) 1. *(eight weeks). I.* Assistant Professor SINGER

56. Diseases of the Heart.—With special reference to the graphic methods. 1. *I.* Professor STRAUSS

59. Clinical Parasitology.—(Limited to eight students.) 1 two-hour period *(eight weeks). I.* Miss HOOD

60. Principles of Medicine.—Review course, 2. *I.* Dr. KRONENBERG, Dr. AFREMOW

61. Cardio-vasculo-renal Diseases.—Some phases of heart, kidney and blood-vessel diseases. 1. *I.* Dr. FELDMAN

62. Hypertension.—1. *I.* Dr. BOLOTIN

63. Diseases of the Chest.—1. *I.* Dr. RABENS

COURSE FOR GRADUATES

101. Research in Medicine.—*One to three units.* Professor WILLIAMSON

ROENTGENOLOGY

Professor HARTUNG

REQUIRED COURSE—FOURTH YEAR

4. Roentgenology.—Application of Roentgen rays to medicine and surgery. 2. *I.* Professor HARTUNG

5. Clinic Dispensary.—Technic, interpretation and therapy. 6 one-hour periods. *(two weeks). I.* Professors HARTUNG, BACHEM

PHYSICIANS' EXTENSION COURSE

80. Clinical Course.—Designed for those desiring to take up roentgenology as a specialty. Includes theoretical and practical teaching of the use of roentgen rays and radium for diagnosis and treatment. Offers opportunity to observe the technique of all standard roentgen examinations. Instruction given in interpreting findings on films and fluoroscopic screen and in the application of radiation to superficial and deep lesions. This course extends over two semesters of four months each and no applicant is accepted for registration for less than the full period. Number limited. Hours: 8:30 to 12 a. m., 2 to 5 p. m. Fee for each semester, $100.00. The STAFF

HISTORY OF MEDICINE

Dr. Cigrand

Elective Course—Fourth Year

51. History of Medicine.—1. *I.* Dr. Cigrand

NEUROLOGY AND PSYCHIATRY

Professors Singer, Hassin, Davis; Assistant Professors Diamond, Olkon, Low; Dr. Solomon, Dr. Paskind, Dr. Lebensart

Required Courses—Third Year

1. Neurology.—Didactic. 1. *I.* Assistant Professor Olkon

6. Psychiatry.—Principles of prevention. 1. *I.*
Professor Singer and associates

Required Courses—Fourth Year

2. Neurology.—Lectures and demonstrations. 1. *II.* Professor Hassin

3. Dispensary.—8 two-hour periods. *I.*
Assistant Professors Diamond, Olkon, Low, Dr. Solomon, Dr. Paskind

4. Psychiatry.—Lectures and case demonstrations. 1½. *I.*
Professors Singer, Davis

5. Neurology.—Clinic. 1 two-hour period. *(eight weeks). I.*
Assistant Professors Diamond, Low, Dr. Solomon

Elective Courses—Fourth Year

50. Neuropathology.—1. *(eight weeks). I.* Limited to one-half the class.
Assistant Professors Diamond, Low

51. Clinical Psychiatry.—Psychopathic Hospital. 1. *(eight weeks). I.*
Professors Singer, Davis

Physicians' Extension Course

80. Clinical Course.—This course is designed to present methods of examination and indications for treatment. The course includes, (a) Attendance at clinics and ward rounds, (b) Work in Anatomy, Physiology, Pathology, Serology, etc. Hours: To be arranged. Registration limited. Fee for each four months period, $50.00.

Courses for Graduates

101. Research in Neurology.—*One to three units.* Professor Hassin
102. Research in Psychiatry.—*One to three units.* Professor Singer

OBSTETRICS AND GYNECOLOGY

Professor Falls, *Head of Department*

Associate Professor Fischmann; Assistant Professors Lang, Hammond, Stone, Lackner, Lash, Browne, Newberger, Schochet; Dr. Hoffman, Dr. Martin, Dr. Maryan, Dr. Skiles, Dr. Wittelle, Dr. Litt, Dr. Bacon, Dr. Busby, Dr. Bloomfield, Dr. Summerville, Dr. Koback, Dr. Hill, Dr. Skemp, Dr. Kaplan, Miss McLaughlin, Dr. Jacobson, Dr. Swenson, Dr. Lesage

OBSTETRICS

Required Course—Second Year

1. Physiology of Pregnancy and Labor.—2. *I.* Assistant Professors Hammond, Lash, Browne, Dr. Martin, Dr. Skiles, Dr. Koback, Dr. Litt

Required Courses—Third Year

2. Pathology of Pregnancy and Labor and the Puerperium.—Lectures, quizzes and demonstrations. 2. *I.* Professor Falls, Assistant Professors Lackner, Newberger, Browne, Dr. Martin, Dr. Litt, Dr. Maryan

3. Manikin.—Obstetrical operations are demonstrated and practice is afforded the student to do the operation on the manikin under supervision and to become thoroughly familiar with the instruments and technique of such operations. The work is given to small groups so that individual instruction is possible. 1 two-hour period. *(eight weeks). I.*

Assistant Professor Hammond, Dr. Martin, Dr. Maryan

7. Dispensary out-clinic.—3 two-hour periods. *(three weeks). I.*
Dr. Martin, Dr. Bacon, Dr. Maryan, Dr. Litt, Dr. Busby, Dr. Bloomfield, Dr. Koback, Dr. Summerville, Dr. Jacobson, Dr. Swenson, Dr. Hill, Dr. Lesage

Elective Courses—Third Year

(Will not be given for less than 5 or more than 15 students)

50. Toxemias of Pregnancy.—1. *I.*	Assistant Professor Lackner
51. Physiology of Pregnancy.—1. *I.*	Dr. Litt
52. Puerperal Sepsis.—1. *I.*	Assistant Professor Newberger
53. Sterility and Conception.—1. *I.*	Assistant Professor Stone
54. Review Course.—1. *I.*	Dr. Hill

Required Courses—Fourth Year

10. Clinic.—Research and Educational Hospital. 1. *II.* Professor Falls

15. Obstetrical Laboratory.—The student studies gross and microscopic specimens of the more common obstetrical complications such as ruptured uterus, ablatio placenta, puerperal sepsis, ectopic pregnancy, hydatid and blood moles, and various diseases and abnormalities of the fetus and newborn. Bacteriological as well as pathological material is presented and fresh specimens when available. 1 two-hour period. *(four weeks). I.*

Assistant Professor Lash, Dr. Maryan, Dr. Litt, Dr. Hill

Elective Courses—Fourth Year

(Will not be given for less than 5 or more than 15 students.)

55. Obstetrical Pathology.—1. *I.*	Assistant Professor Lash
56. Heart Complications in Pregnancy.—1. *I.*	Assistant Professor Browne
57. Manikin.—1. *I.*	Dr. Hill
58. Review Course.—1. *I.*	Dr. Jacobson

Course for Graduates

101. Research in Obstetrics and Gynecology.—*One to three units.*
Professor Falls

GYNECOLOGY

Required Courses—Fourth Year

1. Lecture and quiz.—1. *I.* Professor Falls, Associate Professor Fischmann, Assistant Professors Stone, Lackner, Lash, Browne, Dr. Hoffman

4. Seminar.—1. *(eight weeks). I.*
Assistant Professor Lang, Dr. Hoffman, Dr. Maryan, Dr. Koback

7. Clinic.—Cook County Hospital. Operative and demonstration course. 1 two-hour period. *I.* Professor Falls

15. Clinic Dispensary.—Small groups are instructed in history taking and physical examinations and are permitted to treat minor gynecological complaints under supervision. 3 two-hour periods. *(three weeks). I.*
Associate Professor Fischmann, Assistant Professors Lang, Hammond, Stone, Lash, Dr. Hoffman, Dr. Bacon, Dr. Busby, Dr. Koback, Dr. Summerville, Dr. Belous, Dr. Jacobson, Dr. Swenson, Dr. Kaplan, Dr. Hill

16. Gynecological Laboratory.—Gynecological pathology is studied from gross and miscroscopic specimens. 1 two-hour period. *(four weeks). I.*
Assistant Professor Lash, Dr. Maryan, Dr. Litt, Dr. Hill

Elective Courses—Fourth Year

50. Pelvic Neoplasms.—1. *I.* Associate Professor Fischmann

51. Pelvic Inflammation.—1. Assistant Professor Lash

52. Uterine Hemorrhages.—1. Assistant Professor Stone

53. Menstrual Disorders.—1. *I.* Dr. Summerville

54. Operative Gynecology.—1. *I.* Professor Falls

56. Preoperative and Post-operative Gynecological Treatment.—1. *I.*
Assistant Professor Lang

57. Gynecological Diagnostic Methods.—1. *I.*
Assistant Professor Lackner

OPHTHALMOLOGY

Associate Professor Beard; Assistant Professors Smith, Folk; Dr. Wolf, Dr. Kaufman, Dr. Apple, Dr. Stoll, Dr. Kahn

Required Courses—Fourth Year

1. Clinic and Practice.—Dispensary, clinic and laboratory course. This includes the normal and pathological anatomy of the eye, practice in the use of ophthalmoscope, perimeter, focal light and test charts, and the study of those eye diseases which the general practitioner most frequently encounters. The student is especially trained in the taking of histories of eye patients. 5 two-hour periods. *(four weeks). I.* Assistant Professor Folk, Dr. Wolf

2. Didactic Ophthalmology.—Illustrated lectures and quizzes. 1. *I.*
Associate Professor Beard, Assistant Professor Folk

Physicians' Extension Courses

80. Clinical Course.—Designed for those who wish to take up ophthalmology as a specialty. The course affords individual training in standardized methods. The work is of a practical case-study nature.

A given method of process, such as retinoscopy or perimetry, is first explained and demonstrated. The physician is then assigned a case in which the data have been previously determined by the instructor. The physician makes an independent study and reports his findings to the instructor for criticism and grading. The process is continued until a reasonable degree of accuracy has been attained. Only one process is studied at a time. Processes taught are: I. Determination of Central Visual Acuity, Neutralization of Lenses, Retinoscopy, Refraction (with Cycloplegia and without), Tonometry, Determination of Degrees of Strabismus or Paralysis, Types of Discs (Elschnig's Classification) ; II. Measurement of Disc Levels, Perimetry, Objective Findings in External and Fundus Diseases, Case-History Writing and Diagnosis, Prognosis, and Treatment of a given case as a whole. This course extends over three periods of four months each, and no applicant is accepted for registration for less than the full twelve months. The first four months' work covers the first seven processes, the second four months covers the next four, and the last four months complete the course. Pathology is taken with undergraduate students. In the third period classical monographs are abstracted. Hours: 9 to 12 a. m., 6 days per week.

The fee for each period of four months is $50.00. The Staff

81. Pathology of the Eye.—Four months. Hours to be arranged. *I.*
Associate Professor Beard

ORTHOPAEDICS

Professor Thomas; Assistant Professors Hark, Murphy; Dr. Marshall, Dr. Fischer, Dr. Rose, Dr. Mullen, Dr. Scuderi

Required Courses—Third Year

3. Practice.—Conferences, recitations. 1. *I.* Professor Thomas, Assistant Professors Hark, Murphy; Dr. Marshall, Dr. Fischer, Dr. Scuderi

5. Clinic.—1 two-hour period. *I.*
Professor Thomas, Assistant Professor Hark

15. Clinic.—Dispensary. 3 two-hour periods. *(three weeks). I.*
Professor Thomas, Assistant Professors Hark, Murphy, Dr. Marshall, Dr. Fischer, Dr. Ross, Dr. Mullin, Dr. Scuderi

Elective Courses—Fourth Year

50. Special Topics in Surgery of Joints.—Operative management of injuries and infections and tumors of the extremities and spinal column. 1. *I.*
Professor Thomas and staff

51. Surgery of Bones and Joints.—Cadaver demonstrations of operations for the reconstructions of extemity deformities; malunion and nonunited fractures; bone transplants and fusions in Pott's disease and in fractured spines; reconstruction in fractured hips; operations following infantile paralysis. 1. *I.*
Professor Thomas and staff

Physicians' Extension Course

80. Clinical Course.—This course is primarily intended for post-graduate students in the Department of Orthopaedics. It is designed to present and show the importance of examination and systematic development of indications. The course includes, (a) Attendance at clinics and ward rounds, (b) Operative orthopaedic surgery on cadavers, (c) Assistance at operations, (d) Work in pathology, psychiatry, general surgery, physiotherapy, neurology and serology, etc. Hours: to be arranged. Registration limited. Fee for each 4-months period, $50.00. The Staff

Course for Graduates

101. Research in Orthopaedics.—*One to three units.* Professor Thomas

PATHOLOGY AND BACTERIOLOGY

Professors Davis, Petersen, Arnold; Associate Professor Pilot; Assistant Professors Levinson, Shaughnessy, Saphir; Dr. Rappaport, Dr. Nedzel, Dr. Beach, Dr. Milles, Dr. Kremer, Dr. Ladd, Dr. Learner, Mr. McDaniels, Miss Kleppe, Miss Clark

Required Courses—Second Year

1. General Bacteriology and Protozoology.—Pathogenic bacteria and protozoa. Immunity. Lectures, demonstrations; 3: laboratory; 6 hours. *I.*
Professor Arnold, Dr. Nedzel and assistants

2. General Pathology and Pathological Histology.—General pathology; gross and miscroscopic study of fresh and preserved pathological material. Lectures, recitations, demonstrations; 3: laboratory; 9 hours. *I.* Professor Petersen, Associate Professor Pilot, Assistant Professor Levinson and assistants

4. Clinical Pathology.—Chemical and microscopical examination of urine, feces and blood, with special emphasis on technique. Lectures and demonstrations; 1: laboratory; 4. *I.* Assistant Professors Levinson, Saphir and assistants

5. Preventive Medicine.—An introductory course. General principles of prevention of disease. Epidemiology. 2. *I.* Professor Arnold and assistants

Required Courses—Third Year

24. Autopsies.—Routine postmortem examinations, practical work and demonstrations. 1 two-hour period. *I.*
Professor Petersen, Associate Professor Pilot, Assistant Professor Levinson

25. Special Pathology.—Gross and microscopic examination of pathological material, postmortem bacteriology and experimental pathology. 1 three-hour period. *I.*
Professor Petersen, Associate Professor Pilot, Assistant Professor Levinson

Required Course—Fourth Year

29. Public Health.—Organization of health departments and the work of the divisions of the same; vital statistics, inspection of schools and factories; sanitation, food supply and control; public welfare. Lectures and practical work. 2. *I.* Professor Arnold

ELECTIVE COURSES

51. Advanced Work and Research.—(Limited to properly qualified students.) Time by special arrangement. Professors DAVIS, PETERSEN, ARNOLD

52. Industrial Hygiene.—(Limited to properly qualified students.) Time by special arrangement. Professor ARNOLD, Dr. BEACH

55. Diagnosis of Tumors.—(Open to students who have had courses in general and special pathology.) Time by special arrangement.

COURSES FOR GRADUATES

101. Advanced Pathogensis.—Pathology and Bacteriology. *One or two units.* Professors DAVIS, PETERSEN, ARNOLD

105. Individual Research.—*One or two units.*
Professors DAVIS, PETERSEN, ARNOLD

PEDIATRICS

Professors HESS, IRISH, BLATT; Assistant Professors BOWER, CALVIN, ROSENBLUM, BOROVSKY, PONCHER; Dr. GOLDBERGER, Dr. CHAMBERLAIN, Dr. ROBINS, Dr. SALTIEL, Dr. BRONSTEIN, Dr. FURBY. Dr. ENGERMAN, Dr. COHEN, Dr. LEVIN, Dr. PAUKER, Dr. GASUL, Dr. HALPERN, Dr. LEICHENGER, Dr. SULDANE, Dr. HOFFMAN, Dr. TIGAY

REQUIRED COURSES—THIRD YEAR

1. Practice and Clinic.—Nutrition and nutritional disturbances in infancy. Lectures; clinical conferences. 1. *I.* Professor HESS

4. Practice.— Recitations. 1. *I.* Professor IRISH and assistants

5 Clinic.— Cook County Hospital. 1. *(eight weeks). I.*
Assistant Professor CALVIN

6. Clinic.—Cook County Hospital. 1. *(eight weeks). I.*
Assistant Professor ROSENBLUM

9. Clinic.—Cook County Hospital. Contagious diseases.
2. *(four weeks). I.* Assistant Professors BOWER, BOROVSKY

ELECTIVE COURSE—THIRD YEAR

50. Physical Diagnosis in Childhood.— 1. *(eight weeks). I.* Dr. SALTIEL

REQUIRED COURSES—FOURTH YEAR

10. Clinic.—Dispensary; Research Hospital. 3 two-hour periods. *(four weeks). I.* Dispensary Staff

12. Clinic.—Cook County Hospital. 1 two-hour period. *I.* Professor HESS

13. Clinic.—Cook County Hospital. Physical diagnosis and demonstration of cases. 1 two-hour period. *(eight weeks). I.* Professor IRISH

14. Clinic.— Cook County Hospital. 1 two-hour period. *(eight weeks). I.*
Professor BLATT

Elective Courses—Fourth Year

51. Tuberculosis in Childhood.—1. *(eight weeks). I.* Dr. Gasul

52. Clinical Pediatrics.—Research Hospital. 1. *I.*
Assistant Professor Poncher

53. Laboratory Diagnosis.–Research Hospital. 1 two-hour period. *(eight weeks). I.* Assistant Professor Poncher

56. Pediatrics.—Mental Hygiene in infancy and childhood. 1. *(eight weeks). I.* Professor Schroeder

Course for Graduates

101. Research in Pediatrics.—*One to three units.* Professor Hess

PHARMACOLOGY, MATERIA MEDICA AND THERAPEUTICS

Professors McGuigan, Fantus; Associate Professor Camp; Mr. Ewing, Dr. Higgins

Required Courses—Second Year

(Prerequisites: Physiology, Course No. 4, or equivalent; Physiological Chemistry, Course No. 6, or equivalent.)

1. Pharmacology.—Lectures; 3: laboratory; 6. *I.*
Professor McGuigan, Associate Professor Camp, Mr. Ewing, Dr. Higgins

4. Pharmacology.—Lectures or quizzes; 2: laboratory; 2. *I.*
Professor McGuigan, Associate Professor Camp, Mr. Ewing, Dr. Higgins

Required Course—Third Year

5. Therapeutics.—2. *I.* Professor McGuigan

Elective Courses

(Minimum registration: 5 students for each course)

50. History of Pharmacology and Toxicology.—Review of modern books pertinent to the subject. Professor McGuigan, Associate Professor Camp

51. Materia Medica.—Prescription writing.
Professor McGuigan, Associate Professor Camp

52. Toxicology.—Symptomatology, pathology, treatment and identification of poisons. Professor McGuigan, Associate Professor Camp

53. Systemic Pharmacology.—(a) Eye, (b) digestive systems, (c) respiratory system, (d) autonomic nervous system, (e) blood, (f) circulatory organs, heart and kidneys. Professor McGuigan, Associate Professor Camp

54. Fundamental Principles of Therapy.—Hours to be arranged.
Professor Fantus

Courses for Graduates

101. Advanced Pharmacodynamics.—*One or two units.*
Professor McGuigan, Associate Professor Camp

103. Research in Pharmacodynamics.—*One or two units.*
Professor McGuigan, Associate Professor Camp

PHYSIOLOGICAL CHEMISTRY

Professor Welker; Associate Professor Bergeim; Assistant Professor Cole; Dr. Johnson, Mr. MacFate, Miss Briggs, Mr. Harvey

Required Course—First Year

6. Physiological Chemistry and Toxicology.—Lectures, demonstrations, conferences; 3: laboratory; 8. *I.*
Professor Welker, Associate Professor Bergeim, Assistant Professor Cole, Dr. Johnson, Miss Briggs, Mr. Harvey and assistants

Elective Courses

(*Prerequisite*: Course 6.)

60. Special Topics in Biochemistry.—Blood analysis. Vitamine studies. Methods and clinical significance. Associate Professor Bergeim

61. Physical and Colloid Chemistry.—The elements of physical and colloid chemistry and their application to biology and medicine, with emphasis on the chemistry of the proteins. Assistant Professor Cole

62. Preparation of Pure Proteins. Professor Welker

Biochemical Seminar.—The members of the teaching staff and graduate students in physiological chemistry meet weekly to discuss the current literature.

Research.—The laboratories are open to persons with the requisite scientific training for the conduct of original investigations under the direction of the members of the staff.

Courses for Graduates

101. Advanced Biological Chemistry.—Biochemical methods of research, biological colloids, enzyme action and metabolism.—*One or two units.*
Professor Welker, Associate Professor Bergeim

103. Biochemical Research.—*One or two units.*
Professor Welker, Associate Professor Bergeim

PHYSIOLOGY

Professors Visscher, Bachem; Assistant Professor Reed

Required Course—First Year

4. Human Physiology.—A comprehensive treatment of the function of the several tissues and organs and of the correlation and regulation of their activities in the life of the human organism as a whole. Lectures, conferences, demonstrations and laboratory; 7. *I.* Professor Visscher and Staff

Required Course—Second Year

5. Human Physiology.—Continuation of Physiology 4. Lectures, conferences, demonstrations and laboratory; 8. *I.* Professor Visscher and Staff

ELECTIVE COURSES

(*Prerequisites*: Courses open only to students with background acceptable to the professor in charge.)

52. The Physiology of the Heart. Professor VISSCHER

54. The Physiology of the Alimentary Tract. Assistant Professor REED

56. Physiological Effects of Radiations. Professor BACHEM

Physiological Seminar.—Recent research in special fields is presented by the students and is discussed and criticized by them and by the staff.

Research.—The laboratories are open to persons with the requisite scientific training for the conduct of original investigations under the direction of the members of the staff.

COURSES FOR GRADUATES

101. Advanced Physiology.—An introduction to original work in experimental physiology. Individual instruction in fundamental methods. Laboratory course.—*One or two units.* Professor VISSCHER

102. Research in Physiology.—*One to three units.* Professor VISSCHER

103. Research in Bio-Physics.—*One to three units.* Professor BACHEM

SURGERY

Professor HEDBLOM, *Head of Department*

GENERAL SURGERY

Professors HEDBLOM, HUMISTON, PERCY, MOOREHEAD, DYAS, PHIFER, DETARNOWSKY; Associate Professor POST; Assistant Professors DAVENPORT, ZIMMERMAN, NADEAU, MCARTHUR, JIRKA, JONES, METZ, BAMBERGER, HERROLD, KOUCKY, SEED, CRILE, KORDENAT, MORA, MALCOLM, OLDBERG; Dr. ZECHEL, Dr. KRONENBERG, Dr. JOANNIDES, Dr. STEPHENS, Dr. WALLACE, Dr. PUESTOW, Dr. GRAHAM, Dr. WERNICKE, Dr. VAN HAZEL, Dr. MEYER, Dr. ODEN, Dr. WILLIS, Dr. STEIN, Dr. DELANO, Dr. EWERT, Dr. ALMQUIST, Dr. MARSHALL, Dr. BRAUDE, Dr. PARKER, Dr. ALCORN, Dr. BOONSTRA, Dr. LITTIG, Mr. POPPEN

REQUIRED COURSE—SECOND YEAR

1. Fundamental Principles of Surgery.—Asepsis, Anaesthesia, Shock, Hemorrhage, Septicemia, Surgery of the Skin, Blood Vessels and Lymphatics, and Surgical Dressings. 2. *I.* Dr. HEDBLOM and Staff

REQUIRED COURSES—THIRD YEAR

2. Regional Surgery and Surgical Pathology.—Conferences, demonstrations, recitations, 2. *II.* Professor PHIFER, Associate Professor POST, Assistant Professors BAMBERGER, SEED

5. Surgical Diagnosis.—Research and Educational Hospital. 1. *I.* Professor HEDBLOM

6. Clinic.—Research and Educational Hospital. 1 two-hour period. *(eight weeks). I.* Assistant Professor MALCOLM

7. **Clinic.**—Dispensary. Research and Educational Hospital. History taking, Diagnosis, Minor Surgery and Surgical Dressings. 3 two-hour periods. *(three weeks). II.* Assistant Professors BAMBERGER, SEED, KOUCKY, KORDENAT, Dr. VAN HAZEL, Dr. ALMQUIST, Dr. MEYER

11. **Clinic.**—Cook County Hospital. 1 two-hour period. *(eight weeks). I.* Professor DYAS

13. **Clinic.**—Augustana Hospital. 1 two-hour period. *(eight weeks). I.* Professor PERCY

ELECTIVE COURSES—THIRD YEAR

50. **Principles of Surgery.**—A review course. 2. *I.* Assistant Professor MORA

53. **Surgery of Fractures.**—2. *I.* Assistant Professor MALCOLM

55. **Blood Transfusion, Surgical Dressings, and Bandaging.**—Individual instruction and demonstration. 1. *I.* Assistant Professor KORDENAT

75. **Surgical Diagnosis.**—1. *II.* Dr. JOANNIDES, Dr. MEYER

REQUIRED COURSES—FOURTH YEAR

20. **Clinic.**—Research and Educational Hospital. 1 *II.* Professor HEDBLOM

23. **Clinic.**—Research and Educational Hospital. 1 two-hour period. *(eight weeks). I.* Dr. PUESTOW

24. **Clinic.**—Cook County Hospital. 1 two-hour period. *(eight weeks). I.* Professor DYAS

25. **Clinic.**—Washington Boulevard Hospital. 1 two-hour period. *(eight weeks). I.* Assistant Professor METZ

26. **Surgical Pathology.**—Laboratory. 1 two-hour period. *(eight weeks). I.* Assistant Professor NADEAU

27. **Oral Surgery.**—1 two-hour period. *(four weeks). I.* Professor F. W. MOOREHEAD

28. **Clinic.**—Cook County Hospital. 1 two-hour period. *(eight weeks). I.* Professor DE TARNOWSKY

32. **Clinic.**—Augustana Hospital. 1 two-hour period. *(eight weeks). I.* Professor PERCY

34. **Clinic.**—Research and Educational Hospital. 1 two-hour period. *(eight weeks). I.* Assistant Professor OLDBERG

36. **Clinic.**—Cook CountyHospital. 1 two-hour period. *(eight weeks). I.* Assistant Professor JIRKA

ELECTIVE COURSES—FOURTH YEAR

51. **Regional Surgery.**—A review course. 2. *I.* Assistant Professor MORA

52. **Operative Surgery of the Abdomen.**—1. *I.* Dr. GRAHAM, Dr. BRAUDE

54. **Preoperative and Postoperative Treatment.**—1. *I.* (Minimum number: 6 students.) Assistant Professor NADEAU

58. Surgery of the Central Nervous System.—1. *I.*
Assistant Professor Oldberg

59. Surgery of the neck.—1. *I.* Assistant Professor Seed

60. Surgery of the Thorax.—1. *I.* Professor Hedblom, Dr. Van Hazel

63. Principles and Practice of Anaesthesia.—1. *I.* Dr. Littig

65. Surgical Diagnosis.—1. *I.* Dr. Stephens

66. Clinic.— Surgical diagnosis. 1 two-hour period. *I.*
Assistant Professor Crile

68. Operative surgery on animals.—1 two-hour period. *I.*
Assistant Professor Koucky

70. Research on assigned problems to those qualified.
Professor Hedblom and staff

73. Treatment of Fractures.—1. *I.* Professor De Tarnowsky

74. Neurological Surgery.—1. *I.* ————

75. Regional Surgical Anatomy.—1. *I.* Dr. Zechel

76. Operative Surgery.—1. *I.* Dr. Puestow

Course for Graduates

101. Research in Surgery.—*One to three units.* Professor Hedblom

GENITO-URINARY SURGERY

Professor McKenna; Assistant Professor O'Conor; Dr. Hirsch, Dr. Platin

Required Courses—Third Year

3. Practice.—Conferences, recitations. 1. *I.*
Professor McKenna, Assistant Professor O'Conor

5. Clinic.—Dispensary. 3 two-hour periods. *(three weeks). I.*
Professor McKenna, Dr. Hirsch, Dr. Platin

Required Courses—Fourth Year

12. Clinic.— Washington Boulevard Hospital. 1 two-hour period. *(four weeks). I.* Assistant Professor O'Conor

13. Clinic.—Research and Educational Hospital. Individual instruction in the diagnosis of genito-urinary diseases, including cystoscopy, catheterization of the ureters, interpretation of roentgenograms and of chemical and microscopical urinalyses. 1 two-hour period. *(four weeks). I.* Professor McKenna

Elective Course—Fourth Year

51. Surgery of the Genito-urinary Tract.—1. *I.*
Professor McKenna, Assistant Professor O'Conor

PROVISIONAL SUMMARY OF HOURS

FIRST YEAR

Subjects	First Semester		Second Semester		Total
	Didactic	Laboratory	Didactic	Laboratory	
Anatomy, Gross	48	96	48	96	288
Histology	24	48	24	48	144
Embryology	12	24	12	24	72
Neurology	12	24	12	24	72
Chemistry (Physiological)	48	128	..	..	176
Physiology	..	..	64	48	112
	144	320	160	240	864

SECOND YEAR

Subjects	First Semester		Second Semester		Total
	Didactic	Laboratory	Didactic	Laboratory	
Bacteriology	48	96	..	..	144
Hygiene	..	..	32	..	32
Medicine	16	..	32	..	48
Physical Diagnosis	..	..	16	32	32
Obstetrics	..	..	32	..	48
Pathology	..	..	48	144	192
Clinical Pathology	..	..	16	64	80
Pharmacology	48	96	32	32	208
Physiology	64	64	..	..	128
Surgery	..	..	32	..	32
	176	256	240	272	944

PROVISIONAL SUMMARY OF HOURS (Continued)

THIRD YEAR

Subjects	First Semester		Second Semester		Total
	Didactic	Clinical and Laboratory	Didactic	Clinical and Laboratory	
Anatomy, Topographic	..	64	..	..	64
Autopsies	..	16	..	16	32
Pathology, Special	..	..	..	48	48
Criminology 5	..	..	16	..	16
Dermatology	..	..	16	..	16
Medicine	32	98	32	82	244
Neurology	..	..	16	..	16
Obstetrics	32	17	..	17	66
Otolaryngology	16	17	16	17	66
Pediatrics	16	12	16	12	56
Psychiatry 6	..	..	16	..	16
Therapeutics	32	..	..	..	32
Surgery	32	50	32	50	164
Genitourinary Surgery	16	9	..	9	34
Orthopedic Surgery	..	25	16	25	66
Electives	32	..	32	..	64
	208	308	208	276	1000

FOURTH YEAR

Subjects	First Semester		Second Semester		Total
	Didactic	Clinical and Laboratory	Didactic	Clinical and Laboratory	
Dermatology	16	6	16	6	44
Gynecology	20	21	20	21	82
Hygiene	..	32	..	..	32
Jurisprudence	..	..	16	..	16
Medicine	16	104	32	104	256
Neurology	..	24	..	40	64
Obstetrics	..	20	..	20	40
Ophthalmology	16	20	..	20	56
Pediatrics	..	44	..	44	88
Psychiatry	..	12	..	12	24
Roentgenology	32	..	..	..	32
Surgery	..	84	..	84	168
Genitourinary Surgery	..	8	..	8	16
Electives	88	..	88	..	176
	188	375	172	359	1094

COLLEGE ORGANIZATIONS

WEST SIDE PROFESSIONAL SCHOOLS DEPARTMENT Y. M. C. A. OF CHICAGO

The ten-story student building is located just one block east of the College of Medicine. It has living accommodations for 370 men, especially planned for students; a spacious lounge; gymnasium, handball courts, and individual exercise rooms. It also contains several service features such as a fine cafeteria, soda fountain-luncheonette, barber shop, grill and a tailor shop.

The aim of the Association is service. It not only provides clean living accommodations for students at a nominal cost, but endeavors to interest students in its cultural programs and activities. As far as possible employment is secured for students who must earn a part of their expenses.

The institution is operated by a Committee of Management made up of representatives of the six professional schools and hospitals of this community. Special rates are given to students who are enrolled in a professional school. For further information write to the Y. M. C. A. at 1804 W. Congress Street.

ALUMNI ASSOCIATION OF THE COLLEGE OF MEDICINE OF THE UNIVERSITY OF ILLINOIS

President—Jos. Zabokrtsky, '01, 31 N. State St., Chicago.
President-Elect—Vandy F. Masilko, '00, 2524 S. Keeler Ave., Chicago.
First Vice-President—H. W. Woodruff, '92, Heggie Bldg., Joliet, Ill.
Second Vice-President—Stephen Cahara, '11, 114 Grand Ave., Milwaukee, Wis.
Third Vice-President—I. M. Brown, '88, New London, Wis.
Secretary-Treasurer—Edward Louis Heintz, '01, 432 S. Lincoln St., Chicago.
Necrologist—F. H. Renberg, '05, 3037 Wentworth Ave., Chicago.
Member Executive Committee—Arthur V. DeNeveau, '03, Johnson Emergency Hospital, Milwaukee, Wis.

Alumni Councillors—John M. Krasa, '13, 3335 W. 26th St., Chicago.
Wm. Harcourt Browne, '23, 2051 Sedgwick St., Chicago.
M. Robert Weidner, Jr., '27, 417 Lincoln St., Dalton, Ill.
Henry McMunn Voris, '03, 1601 N. 46th St., East St. Louis, Ill.
Isadore Pilot, '17, 2551 N. Clark St., Chicago.
R. W. McNealy, '10, 30 N. Michigan Ave., Chicago.
C. B. Voight, '00, 1702 Broadway, Mattoon, Ill.
Tom B. Knox, '02, Quincy, Ill.
Goldye Hoffman, '15, 3248 Douglas Blvd., Chicago.
Paul Urmston, '03, Bay City, Michigan.
Ralph King, '16, Olney, Ill.
C. C. Clement, '06, 30 N. Michigan, Chicago.
F. B. Langdon, '15, 1022 Bankers' Trust Bldg., Des Moines, Iowa.
F. J. Kotalik, '13, 6348 W. 26th St., Berwyn, Ill.
J. K. Chorlog, '07, 301 S. Pickney, Madison, Wis.
C. J. Besta, '26, 2354 S. St. Louis Ave., Chicago.

ALPHA OMEGA ALPHA

Alpha Omega Alpha, an international honorary medical fraternity, with chapters in twenty-four "Class A" medical schools, was founded in the College of Medicine in 1902.

Third and fourth year medical students who have a grade of scholarship ranking them in the upper one-sixth of their class are eligible for membership.

GROUP II. CLASS OF 1931

EDWARD GRAHAM EVANS
JAMES FRANCIS MERRITT
REUBEN KLEIN
MEYER IRVING SABERMAN
PAUL DOMINIC SANFILIPPO

GROUP I. CLASS OF 1932

EDWARD CHARLES BERNELL
BURTIS EDGAR MONTGOMERY
BENJAMIN HIGHMAN
JOHN TODD REYNOLDS
JOSEPH STAGMAN

COLLEGE OF MEDICINE OF THE UNIVERSITY OF ILLINOIS CHAPTER OF THE SOCIETY OF THE SIGMA XI

In the Spring of 1928 the Society of the Sigma Xi granted a charter for the organization of a chapter at the College of Medicine of the University of Illinois. The Society has for its object the promotion of research.

OFFICERS FOR 1931-32

Dr. R. H. Jaffe, President; Dr. A. G. Cole, Vice-President; Dr. W. H. Welker, Secretary; Dr. I. Pilot, Treasurer; Dr. D. J. Davis, Dr. O. F. Kampmeier, Dr. H. A. McGuigan, Elective Members of the Executive Committee.

ELECTED TO ACTIVE MEMBERSHIP

Dr. J. BLAYNEY, *Associate Professor of Therapeutics, Head of the Department in the College of Dentistry and Associate Director of the Infirmary*
Dr. T. CORNBLEET, *Instructor in Dermatology*
Dr. J. G. FINDER, *Graduate Student*
Professor E. N. GATHERCOAL, *Professor of Pharmacognoscy, School of Pharmacy*
Mr. C. GUSTAFSON, *Graduate Student*
Dr. R. D. HERROLD, *Assistant Professor of Genito-Urinary Surgery*
Dr. J. HIGGINS, *Assistant in Pharmacology*
Dr. R. B. MALCOLM, *Associate in Surgery*
Dr. H. O. MARYAN, *Instructor in Obstetrics*
Mr. B. E. MONTGOMERY, *Graduate Student*
Dr. J. M. MORA, *Associate in Surgery*
Dr. A. J. NEDZEL, *Associate in Bacteriology*
Dr. F. B. NOYES, *Professor and Head of the Department of Orthodontia and Dean of the College of Dentistry*
Dr. P. L. SCHROEDER, *Associate Professor of Criminology, Psychiatrist, Director of Institute for Juvenile Research and State Criminologist*
Dr. H. D. SINGER, *Professor of Psychiatry*
Miss C. H. SINGER, *Graduate Student*
Dr. H. C. SWEANY, *Director of Research, Municipal Tuberculosis Sanitarium*
Miss D. H. WELKER, *Graduate Student*

Associate Members

Dr. A. L. Aaronson, *Instructor in Physiological Chemistry*
Mr. L. J. Aries, *Graduate Student*
Mr. B. M. Cohen, *Graduate Student*
Mr. L. M. Dillman, *Graduate Student*
Mr. H. M. Emig, *Instructor in Pharmacy, School of Pharmacy*
Dr. M. Goldwasser, *Associate in Medicine*
Mr. C. C. Harvey, *Assistant in Physiological Chemistry*
Mr. R. Hecht, *Graduate Student*
Mr. H. Kaplan, *Graduate Student*
Mr. M. A. Kaplan, *Graduate Student*
Mr. I. Kaufman, *Graduate Student*
Dr. R. G. Kesel, *Associate in Therapeutics, College of Dentistry*
Dr. E. Q. King, *Graduate Student*
Mr. H. E. McDaniels, *Instructor in Bacteriology*
Mr. W. E. Miller, *Graduate Student*
Dr. J. Rheingold, *Resident in Neurology*
Mr. G. Shropshear, *Graduate Student*
Mr. J. Simons, *Graduate Student*
Mr. G. Sommer, *Graduate Student*
Mr. L. Templeton, *Assistant in Pharmacy*
Dr. R. Terry, *Assistant Professor of Pharmacy, School of Pharmacy*
Dr. J. Thayer, *Graduate Student*

Papers Read Before the Society, 1930-31

"The Cyclic Circulation of Bacteria in the Splanchnic Area of the Body."
  I. Absorption of Bacteria Through the Small Intestine into Blood and Lymph Stream.
  II. Excretion of Bacteria from the Blood Stream by the Small Intestine.
  III. Absorption of Bacteria by the Gall-Bladder.
  IV. Excretion of Bacteria by the Gall-Bladder.
Drs. L. Arnold and A. J. Nedzel.

"The Esophylactic Importance of the Wheal and its Relationship to Immunity and Hygiogenesis," Professor Franz von Groer.

"Recent Developments on Experimental Poliomyelitis," Dr. H. J. Shaughnessy.

"On the Origin and Development of the Human Thoracic Duct and Jugular Lymph Sac," Dr. O. F. Kampmeier.

MEDICAL RESEARCH CLUB

The Medical Research Club, the object of which is the stimulation of scientific research, meets twice a month for the discussion of original scientific contributions. Since its organization in January, 1914, many papers have been presented before the society. The spirit of generous competition and helpful criticism that prevails in this club has been a stimulus toward the production of an increasing number of valuable scientific contributions.

Graduate students and others giving promise of doing meritorious work are eligible to associate membership. Associate members have all the rights and privileges of the club except the right to vote.

ELECTED TO MEMBERSHIP, 1930-31

REUBEN I. KLEIN, B.S., M.S., *Graduate Student*
PARKE H. SIMER, B.E., M.A., Ph.D., *Instructor in Anatomy*
CLARENCE W. MUEHLBERGER, *Coroner's Toxicologist, Cook County Hospital*
RUSSELL D. HERROLD, B.S., M.D., *Assistant Professor of Genito-Urinary Surgery*
THEODORE CORNBLEET, B.S., M. D., *Instructor in Dermatology*
PHILIP BLICKENSDORFER, B.S., M.S., *Instructor in Medicine*
MARCUS R. CARO, B.S., M.D., *Instructor in Dermatology*
HERBERT M. EMIG, Ph.G., B.S., *Instructor in Pharmacy*
CATHERINE V. FISHER, B.A., *Assistant in Bacteriology*
EDMUND FOLEY, B.S., M.D., *Assistant Professor of Medicine*
SEELEY FURBY, *Student*
CECIL C. HARVEY, B.S., M.S., *Assistant in Physiological Chemistry*
RUDOLPH HECHT, B.S., *Graduate Student*
HYMAN J. KAPLAN, A.B., B.S., M.S., *Graduate Student*
IRVING KAUFMAN, B.S., M.S., *Graduate Student*
ROBERT G. KESEL, D.D.S., M.S., *Associate in Therapeutics, College of Dentistry*
JACOB MEYER, B.S., M.S., M.D., *Associate Professor of Medicine*
HERBERT E. MCDANIELS, B.S., *Instructor in Bacteriology*
SHERMAN W. MORRISON, Ph.G., B.S., M. S., *Associate in Pharmacy*
TELL NELSON, S.B., M.D., *Instructor in Medicine*
HOWARD J. SHAUGHNESSY, Ph.D., *Chief Division of Laboratories, State Department of Public Health*
GEORGE SHROPSHEAR, B.S., M.S., *Graduate Student*
CONRAD SOMMER, B.S., *Graduate Student*
LAWRENCE TEMPLETON, B.S., *Assistant in Pharmacy, School of Pharmacy*
MAX S. WIEN, S.B., M.D., *Assistant Professor of Dermatology*

HONORARY MEMBER

GEORGE L. CLARK, Ph.D., *Professor of Chemistry, University of Illinois*

PAPERS READ BEFORE THE CLUB, 1930-31

"Introduction," Dr. L. Arnold.
"Study of Di-Ethylphthalate," Messrs. P. Blickensdorfer and L. Templeton.
"Action Ginger," Mr. H. M. Emig.
"Uremic Dermatitis," Dr. S. Rosenthal.
"Intravenous and Intraperitoneal Administration of Viosterol," Dr. C. I. Reed and Mr. E. A. Thacker.
"Brain Changes in Subacute Bacterial Endocarditis," Dr. I. B. Diamond.
"On the Skulls of the Easter Islanders," Dr. G. von Bonin.
"Changes of 1-Arabinose and d-Xylose under the Influence of Dilute Alkali," Dr. W. C. Austin and Messrs. C. J. Smalley and M. I. Sankstone.
"Abdominal Angina," Dr. M. H. Streicher.
"A Case of Cyclopia with Associated Anomalies in a Full Term Fetus."
"A Rare Anomaly in a Fetal Heart," Dr. A. Zimmerman.
"Epidemic Septic Sore Throat," Dr. D. J. Davis.
"Toxin of Streptococcus Epidemicus from Epidemic Septic Sore Throat."
  (a) "Skin Tests and Immunization," Dr. I. Pilot.
  (b) "Differentiation from Toxin of Streptococcus of Scarlet Fever," Dr. I. Pilot and Mr. I. Dreyer.

"The Relation of the Diaphragm to Gastric Peristalis," Dr. M. Joannides.

"Sclerosis of the Pulmonary Artery and Arterioles," Dr. S. R. Rosenthal.

"Recent Advances in our Knowledge of Cholesterol Metabolism," Dr. R. Schonheimer.

"The Esophylactic Importance of the Wheal and its Relationship to Immunity and Hygiogenesis," Professor Franz von Groer.

"Skin Reactions of Mothers and Infants to Staphylococcus Aureas Filtrate and Vaccine," Drs. A. J. Kobak and I. Pilot.

"Some Observations on the Sub-Arachnoid Space," Dr. R. B. Malcolm.

"Hemophilia, Platelet Study and New Treatment," Dr. C. L. Birch.

"Excretion into and the Effect of Drugs on the Lungs," Messrs. H. G. Becker and D. S. Jaffray.

"Recent Developments on Experimental Poliomyelitis," Dr. H. J. Shaughnessy.

"Proctology: Clinical Summary of 2568 Proctoscopic Examinations," Dr. M. H. Streicher.

"Blood Chemistry Study in Normal Pregnancy and Eclamptogenic Toxemia," Dr. S. Kaplan.

"The Bacteriology and Pathology of Chronic Cervicitis," Dr. H. O. Maryan.

"The Effect of Hypertonic Solutions on Spinal Fluid Pressure," Dr. G. Milles and Mr. P. Hurwitz.

"The Self-Sterilization of the Skin. Experiments on Persons with Dermatoses," Dr. T. Cornbleet and Mr. B. E. Montgomery.

"X-Ray Diffraction Studies of Natural Material Including Human Tissues," Dr. George L. Clark.

DEGREES CONFERRED

Degree of Doctor of Medicine

Conferred August 4, 1930

Roosevelt Brooks

Conferred August 10, 1930

Gustav Richard Laube

Conferred August 15, 1930

David Herstein
Paul Joseph Starcevich

Conferred September 1, 1930

Frances Almeda Cline, B.S.
Irving Benwith Ferrias, B.S.
Donald Glenn Mershon, B.S.

Conferred September 5, 1930

Allen Lucien Sabin

Conferred September 17, 1930

Louis Clide Young

Conferred October 10, 1930

Frank Emil Nagel, Jr.

Conferred October 25, 1930

James Sloan Altman, B. S.

Conferred November 1, 1930

Welton Edwin Richburg

Conferred November 15, 1930

Noel Eugene Gordon, B. S.

Conferred December 10, 1930

Alexander Brown

Conferred January 1, 1931

Charles Edward Boylan
Morris Feinstein
Louis Jacob Gogol, B.S.
Otto Gustav Klein, B.S.
Adelina Florence Lobraico, B.S.
David Mansowitz, B.S.
Max Malcolm Montgomery
Clement Paul O'Neill, B.S.
Sidney Schreiber, B.S.
Fred Shapiro, B.S.
Harold Shellow, B.S.
Fred D. Stone, B.S.
Andrew John Toman, B.S.
Carmen Francis Russo

Conferred January 15, 1931

Ernest Quong King

Conferred May 1, 1931

Halvard Wanger

Conferred June 1, 1931

Elizabeth Webb Hill

Conferred June 8, 1931

Eugene Spencer Busby, B.S.
Dwight William Rife, B. S.

Conferred June 15, 1931

Charles Morse Weinberg, B.S.

Conferred June 23, 1931

Martin Van Brown
Freeman Curtis Harris

Conferred July 1, 1931

Orville Lindsay Abbott, B.S.
Kent Archibald Alcorn
Robert Howard Allison
Dorothy Jessie Arenz, B.S.
Walter Earl Barton, B.S.
Jewell Lee Bass, B.S.
Albert Alan Best
Paul Varco Brinley, B.S.
Behle Basil Burns, B.S.
William Tracy Burton, B.A.
Alvin Howard Clark, B.S.
Henry William Eggers, B.S.
Benjamin Eisenberg
Milton William Eisenstein, B.S.
Nathan Epstein, B.S.
Eugene Isadore Falstein, B.S.
Charles Finkelstein, B.S.
Nicholas T. Francona, B.S.
Bernard Frazin, B.S.
Leo Gamburg
Elmer Deloss Gay, B.S.
Jacob Benjamin Gier, B.S.
Otis Beryl Giltner, B. S.
William Everett Glass, B.S.
James Edward Graham, B.S.
Harry Greenstein, B.S.
Robert B. Hemphill
Herman Stewart Hendrickson, B.S.
Ford Kimmel Hick, B.S.
Albert Dabney Hurt, B.S.
George Herbert Ingrish, B.S.
Dan DeWitt Jamison
Albert Herbert Jenkins
Esther Concordia Johnson, B.S.
Louis David Joseph
Frank Burt Kaiserman, B.A., B.S.
Robert Dana Knapp, B.S.
Noah Meyer Koenigsberg, B.S.
Samuel H. Kraines, B.S.
Albert Herman Lazere, B.S.
Leonard Owen Leader, B.S.
Leo Adrian Lee
Louis Robert Limarzi, B.S.
Hugo Long
Earl Matthew Lustgarten, A.B.
Dick Cauthen McCool, Jr., B.S.
Lynn Pope McGoldrick
Robert Glen McMillan
Charles Andrew Mack, B.S.
Wilford John Mason, A.B.
Jack Green Mearns, A.B., B.S.
Charles Himes Metzel, A.B.
William Edward Miller, B.A., B.S.
Lawrence Joseph Murphy, B.S.
Virgil LeRoy Murphy
O. Harold Muus, A.B., B.S.
Julian Anthony Ossman, B.S.
Louis Phillips
Alfred George Rice, B.S.
Roy Otis Riser, B.S.
Nahum L. Robbin
James J. Rodgers, B.S.
Robert Rodin, B.S.
Perry W. Ross, Ph.G.
Max Rulney, B.S.
Herbert Albert Sacks, B.S.
Martin Henry Seifert, Ph.G., B.S.
Guy Emil Seymour, A.B., B.S.
Louis Willard Shabat, B.S.
Samuel Shapiro
George Shropshear, B.S.
Irving Siegel, B.S.
Jack D. Singer, B.S.
Bernard Skorodin, B.S.
William Roan Smith
D. Louis Steinberg, B.S.

John Wayne Stevens, B.S.
William Thomas Stickley
Peter Strofs, B.S.
James Eugene Stroh
James Sherwood Taylor, B.S.
Philip Thorek, B.S.
Joseph S. Tschetter
Benjamin Edward Twitchell, A.B., B.S.
Trancis James P. Twohey, B.S.
George Haywood Vernon, Jr., A.B., B.S.
Henry Eugene Vogel, B.A.
David Wagner, B.A.
Ben de Weininger, B.S.
Charles P. Whalen, B.S.
Irving Wolinsky, B.S.
Maurice L. Young, B.S.

THE DEGREE OF BACHELOR OF SCIENCE

Conferred October 17, 1930

Albert Hyman Feinerman
Morris Philip Orloff

Conferred February 5, 1931

Benjamin Appelman
Edward Aronofsky
Herbert Joseph Bell
Fannie Buky
Thomas Joseph Conley
David Wanless Clotfelter
James Wesley Davis
George Cullom Geymer
George Goldenberg
Clarence Samuel Krakow
David James Kweder
Wilbur Mayo Larson
David Alvin Lemberg
Armand Jean Mauzey
William A. Nye
Samuel Irving Richmond
Thelma Leota Shurtz
Max Sinay

Conferred June 13, 1931

Cyril Jacob Anslinger
Misha Ballin
Lester Sidney Baskin
Arthur Bernstein
Harold Carroll Bernstein
Samuel Leonard Bernstein
Charles Elmer Branch
Donald Dinsmore Burroughs
Harold Jesse Cawthorne
Bernard Victor Chern
William Arnold Christian, Jr.
Jacob Cohen
Melvin Russell Cohen
Robert Bruce Collins
James Oliver Conklin
Clarence Stephen Costigan
Albert Donald Coyne
Henry Noah Cress
Lucius Matlock Dillman
Delmar Eichler Domke
Max M. Dunn
Milton Arnold Dushkin
Maurice Irwin Edelman
Claude Irving Ellis
Harlan English
Leon Marius Erenberg
Frank Joseph Fara, Jr.
Emanuel Feinhandler
Anthony Francona
Abraham Mitchell Gottlieb
Jacob D. Gottlieb
Bernard Louis Greenstein
Nathan Richard Gusinow
Carl Julius Gustafson
Robert Henner
Robert Grantham Hickerson
William Wallace Holleman
Nathan G. Ingber
William Francis Jacobs
Eric Gunnar Johnson
Stephen Patrick Johnson
Charles D. Kanter
Victor Herbert Karpass
Cletus Timothy Kearney
Maurice Klotz
David Sydney Koransky

Julius Maurice Krevitt
Jack Kruglick
Jacob Levy
Loren Lennoth Love
Julius Lustig
Samuel Manelis
Isadore Meyers
Howard Russell Miller
Irving Mishkin
Joseph Aloysius Patka
Reino Hendrick Puumala
David Benjamin Radner
Sol Rome
Gabriel Rose
Michael Hershel Shuger
Norman Silverstein
William Robert Sladek
Maurice Stamler
Edward Joseph Steiner
Frank Edward Urbanek
Harry Fleming Vail
Maxwell Nathan Wacker
Irwin Jerome Waldman
Marion Margaret Wallace
Arthur Rudolph Weihe
William Weisdorf
Jack Worthington Welty
Richard Elroy Westland
Ernest William Werbel
Ernest Bernard Williams
James Alfred Winsberg
Albyn Garrett Wolfe
Joseph Alfonso Zaler
Lazar Eli Zimmerman
Allan Joseph Zimring
Nathan Zolt

CERTIFICATE IN MEDICINE

Students who have completed four years of scheduled work in the College of Medicine of the University of Illinois, and who, upon the completion of a year of satisfactory interneship in a hospital approved by the University, will be entitled to the degree of Doctor of Medicine.

Presented October 17, 1930

Abel Cornelius Anthony, B.S.
William Roan Smith

Presented June 13, 1931

Henry Akina, B.S.
Stephen Hedges Ambrose, B.S.
Leon Judah Aries, B.S., *With Honors*
Walter Hilmar Baer, B.S.
Ransom Bright Baker, A.B.
Andrew F. Barnett
Herbert Joseph Bell, B.S.
Barbara Florence Benda, B.S.
Solomon J. Benensohn, B.S.
Louis Berger, B.S.
Charles Robert Bloom, B.S.
Helen Clara Brezina, B.S.
Walter Scott Brown, A.B.
Harry Burstein, B.S.
Theodore Moffet Carow, B.S.
Clifford Lewis Carter
Alvin Jay Cerny, B.S.
Henry I. Chapman, B.S.
David Wanless Clotfelter, B.S.
Bernard M. Cohen, B.S.
David Cohen, B.S.
George Lester Countryman, B.S.
Elwood Hunter Cox, B.S.
James Wesley Davis, B.S.
Landis Young Davis, B.S.
Edward Jack Deneholz, B.S., *With Honors*
Edwin Frederick Dietrich, B.S.
Milton Judson Donkle, B.A.
Henry Pickett Dorman, B.S., M.S., Ph.D.
Jacob J. Edinburg, B.S.
David Vernon Effron, B.S.
John B. Erich, B.S.
Edward Graham Evans, B.S.
Clifton Felts, B.S.
Glenn Francis Fishel, B.S.
William W. Fox, B.S.

Andrew Galloway, B.S.
John Courier Garland, B.S.
William James Gillesby, B.S.
Robert Joseph Glenner, B.S.
Harry Robert Charles Groppe, B.S.
Lars Freman Gulbrandsen
Robert Wesley Hallenberg, B.S.
Stephen John Hansen, B.S.
Theodore Hartley, B.S.
Alfred Helmar Herman, B.S.
Ernest Joseph Hofer, B.S.
Bernard Horwitz, B.S.
Theodore R. Hudson, A.B., B.S.
Marc Jacob Hughes
Samuel Hyman, B.S.
Howard Matthew Jacobs, B.S.
Richard Paul Johnson, B.S., *With Honors*
Kenneth P. Johnston, B.S.
Hyman Joseph Kaplan, A.B., B.S.
Morris Aaron Kaplan, B.S.
Philip Kaplan, B.S.
Charles Herman Kaufman, B.S.
Irving Kaufman, B.S., *With Honors*
Roy Leslie Kenward, B.S.
Reuben Klein, A.B., B.S.
Frederick Otto Kuehl, B.S.
David Milton Kurschner, B.S.
David James Kweder, B.S.
Wilbur Mayo Larson, B.S.
Frank Alexander Latham, B.S.
David Lerner, B.S.
Eugene George Lipow, Ph.G., B.S.
Samuel Alvin Loseff, B.S.
James Francis Merritt, B.S.
Emil Otto Muhs, B.S.
Arthur Christian Neeseman, B.S.
Robert Henry Newell, B.S.
William A. Nye, B.S.
Harold Forest Oakes, B.S.
Roger Ralph Olsen, B.S.
Ernest Dewitt Richard Ponzer, B.S.
Sydney Price, B.S.
Gunnar Quisling, B.S.
Ralph Quisling, B.S.
Alex Benjamin Ragins, B.S.
Samuel Reznick, B.S.
Lester Allen Riskind, B.S.
Arnold Elmer Frederick Ritt, B.S.
Harold Xavian Rubin, B.S.
Doran Therman Rue, A.B., B.S.
Meyer Irving Saberman, B.S.
Ivan M. Sandberg, B.S.
Paul Dominic Sanfilippo, B.S.
Milton Charles Schell
John Andrew Schindler, B.S.
Karl William Schlegel, B.S.
Kenneth H. Schnepp, A.B., B.S.
Edgar Albert Schoenecker, B.S.
William Jack Schutz, B.S.
Louis Bernard Shapiro, B.S.
Maurice Maceo Shaw, A.B., B.S.
Eugene Henry Silverstone, B.S., Ph.C.
Joseph Simons, B.S.
Charlotte H. Singer, B.S., M.S.
Francis Kirk Smith, B.S.
Russell Lee Smith, B.S.
Conrad Samuel Sommer, B.S.
Maurice Joseph Spiegel, B.S.
Everett Lee Strohl, A.B., B.S.
Paul Edgar Swanson, B.S.
Emanuel Taft, B.S.
Marion Meredith Taylor, B.E., B.S.
Louis Arlington Terman, B.S.
Leo Leonard Thelen
Otto Ernest VanDerAue, B.S., *With Honors*
Theodore John Wachowski, B.S.
Carl Fremont Waters
Dorothy Hutchinson Welker, A.B., B.S., *With Honors*
Arthur D. Wilson
John Francis Wixted, A.B., B.S.
Lester Melvin Woodford, B.S.
Howard Zeitlin, B.S.

REGISTER OF STUDENTS

SESSION OF 1931-32

FIFTH YEAR CLASS—HOSPITAL APPOINTMENTS

Ancker Hospital St. Paul, Minn.	G. L. Countryman
Alexian Brothers Hospital Chicago, Illinois	John A. Schindler
Augustana Hospital Chicago, Illinois	Clifford L. Carter Milton J. Donkle Kenneth H. Schwepp
Binghampton City Hospital Binghampton, New York	Robert J. Glenner
Columbia Hospital Milwaukee, Wisconsin	Edgar A. Schoenecker
Cook County Hospital Chicago, Illinois	Leon J. Aries Charles R. Bloom Irving Kaufman Howard Zeitlin Sydney Price Alfred H. Herman Henry Chapman Eugene Lipow Miss Dorothy Welker David Cohen Edward G. Evans Morris Aaron Kaplan Samuel A. Loseff Louis A. Terman Louis B. Shapiro Samuel Hyman Lester A. Riskind Marion M. Taylor Philip Kaplan Solomon Benensohn Alex Ragins Howard M. Jacobs Harold Forest Oakes Jacob J. Edinburg David Lerner Kenneth P. Johnston Wilbur M. Larson David Effron
Edgewater Hospital Chicago, Illinois	Clifton Felts Philip Kaplan
Edward Sparrow Hospital Lansing, Michigan	Henry Akina

Evangelical Hospital Chicago, Illinois	Herbert J. Bell Harold Rubin
Garfield Park Hospital Chicago, Illinois	Arthur C. Neeseman
Grant Hospital Chicago, Illinois	Ransom B. Baker Edwin F. Dietrich Robert Hallenberg Stephen J. Hanson M. J. Hughes Roy L. Kenward Frank A. Latham Arnold E. Ritt
Grant Hospital Columbus, Ohio	Landis Y. Davis I. M. Sandberg
Hurley Hospital Flint, Michigan	John F. Wixted
Kankakee State Hospital Kankakee, Illinois	Alex. B. Ragins
Lake View Hospital Chicago, Illinois	A. F. Barnett Theo. R. Hudson Leo L. Thelen
Latter Day Saints Hospital Salt Lake City, Utah	Lester M. Woodford
Los Angeles County General Hospital Los Angeles, Calif.	Charlotte H. Singer
Lutheran Deaconess Hospital Chicago, Illinois	Bernard Horwitz E. O. Muhs Karl Schlegel
Lutheran Memorial Hospital Chicago, Illinois	S. J. Benensohn David W. Clotfelter
Michael Reese Hospital Chicago, Illinois	Bernard M. Cohen Edward J. Denenholz David Effron Reuben I. Klein S. Alvin Loseff Meyer I. Saberman Paul D. Sanfilippo William J. Schutz Emanuel Taft
Mt. Sinai Hospital Chicago, Illinois	William W. Fox Samuel Reznick Eugene Henry Silverstone
Orange Memorial Hospital Orange City, New Jersey	Conrad S. Sommer
Provident Hospital Chicago, Illinois	Maurice M. Shaw
Providence Hospital Seattle, Washington	Hyman J. Kaplan
Ravenswood Hospital Chicago, Illinois	Theo. Hartley P. E. Swanson
Walter Reed Hospital Washington, D. C.	Richard P. Johnston

Research and Educational Hospital Chicago, Illinois	Theodore M. Carow Elwood H. Cox W. J. Gillesby Lars F. Gulbrandsen Ernest J. Hofer C. H. Kaufman Fred O. Kuehl T. J. Wachowski
Roseland Community Hospital Chicago, Illinois	Harry Burstein Harold Forest Oakes
San Bernardino County General Hospital San Bernardino, Calif.	James W. Moreland
Sacred Heart Hospital Spokane, Washington	Maurice J. Spiegel
St. Francis Hospital Evanston, Illinois	Harry R. Groppe William A. Nye
St. Louis City Hospital St. Louis, Missouri	James W. Davis Russell L. Smith Gunnar Quisling Ralph Quisling Arthur D. Wilson
St. Luke's Hospital Chicago, Illinois	Stephen H. Ambrose Walter H. Baer James Francis Merritt Doran T. Rue E. Lee Strohl
Swedish Covenant Hospital Chicago, Illinois	John C. Garland
University Hospital Chicago, Illinois	Henry P. Dorman
U. S. Naval Hospital Brooklyn, New York	Alvin J. Cerny
U. S. Naval Hospital Great Lakes, Illinois	Andrew Galloway Frank A. Latham Roger Ralph Olsen F. Kirk Smith Otto E. VanDerAue
West Suburban Hospital Oak Park, Illinois	John B. Erich Glenn F. Fishel David J. Kweder Robert H. Newell Milton C. Schell
Woman's and Children's Hospital Chicago, Illinois	Helen C. Brezina

FOURTH YEAR CLASS, 1930-31

Akina, Henry, B.S.	*Hawaii*
Ambrose, Stephen Hedges, B.S.	*Illinois*
Aries, Leon Judah, B.S.	*Illinois*
Baer, Walter Hilmar, B.S.	*Illinois*
Baker, Ransom Bright, A.B.	*Illinois*
Barnett, Andrew F.	*Illinois*
Bell, Terbert Joseph, B.S.	*Illinois*
Benda, Barbara Florence, B.S.	*Illinois*
Benensohn, Solomon J., B.S.	*Illinois*
Berger, Louis, B.S.	*Illinois*
Bloom, Charles Robert, B.S.	*Illinois*
Brezina, Helen Clara, B.S	*Illinois*
Brown, Walter Scott, A.B.	*Alabama*
Burstein, Harry, S.B.	*Wisconsin*
Carow, Theodore Moffett, B.S.	*Illinois*
Carter, Clifford Lewis	*Illinois*
Cerny, Alvin Jay, B.S.	*Illinois*
Chapman, Henry I., B.S.	*Illinois*
Clotfelter, David Wanless, B.S.	*Illinois*
Cohen, Bernard M., B.S.	*Illinois*
Cohen, David, B.S.	*Illinois*
Countryman, George Lester, B.S	*North Dakota*
Cox, Elwood Hunter, B.S.	*Mississippi*
Davis, James Wesley, B.S.	*Illinois*
Davis, Landis Young, B.S.	*Illinois*
Denenholz, Edward Jack, B.S.	*Illinois*
Dietrich, Edwin Frederick, B.S.	*Illinois*
Dismukes, Jack Bernard, B.S.	*Alabama*
Donkle, Milton Judson, B.A.	*Wisconsin*
Dorman, Henry Pickett, B.S., M.S., Ph.D.	*Illinois*
Edinburg, Jacob J., B.S.	*Illinois*
Effron, David Vernon, B.S.	*Illinois*
Erich, John B., B.S.	*Illinois*
Evans, Edward Graham, B.S.	*Illinois*
Felts, Clifton, B.S.	*Illinois*
Fishel, Glen Francis, B.S.	*Illinois*
Fox, William W., B.S.	*Illinois*
Galloway, Andrew, B.S.	*Illinois*
Garland, John Courier, B.S.	*Illinois*
Gillesby, William James, S.B.	*Illinois*
Glenner, Robert Joseph, B.S.	*Illinois*
Groppe, Harry Robert Charles, B.S.	*Illinois*
Gulbrandsen, Lars Freman	*Illinois*
Hallenberg, Robert Wesley, B.S.	*Minnesota*
Hansen, Stephen John, B.S.	*Illinois*
Hartley, Theodore, B.S.	*Illinois*
Herman, Alfred Helmar, B.S.	*Illinois*
Hofer, Ernest Joseph, B.S.	*South Dakota*
Horwitz, Bernard, B.S.	*Illinois*
Hudson, Theodore R., A.B., B.S.	*Illinois*

Hughes, Marc Jacob	*Iowa*
Hyman, Samuel, B.S.	*Illinois*
Jacobs, Howard Matthew, B.S.	*Illinois*
Johnson, Richard Paul, B.S.	*Illinois*
Johnston, Kenneth P., B.S.	*Illinois*
Kaplan, Hyman Joseph, A.B., B.S.	*Illinois*
Kaplan, Morris Aaron, B.S.	*Illinois*
Kaplan, Philip, B.S.	*Illinois*
Kaufman, Charles Herman, B.S.	*Illinois*
Kaufman, Irving, B.S.	*Illinois*
Kenward, Roy L., B.S.	*Illinois*
Klein, Reuben, A.B., B.S.	*Illinois*
Krakow, Clarence Samuel, B.S.	*Illinois*
Kuehl, Frederick Otto, B.S.	*Wisconsin*
Kurschner, David Milton, B.S.	*New York*
Kweder, David James, B.S.	*Illinois*
Larson, Wilbur Mayo, B.S.	*Illinois*
Latham, Frank Alexander, B.S.	*Mississippi*
Lerner, David, B.S.	*Illinois*
Lipow, Eugene George, Ph.G., B.S.	*Illinois*
Loseff, Samuel Alvin, B.S.	*Illinois*
Merritt, James Francis, B.S.	*Illinois*
Muhs, Emil Otto, B.S.	*South Dakota*
Neeseman, Arthur Christian, B.S.	*Illinois*
Newell, Robert Henry, B.S.	*Illinois*
Nye, William A., B.S.	*Illinois*
Oakes, Harold Forest, B.S.	*Illinois*
Olsen, Roger Ralph, B.S.	*Illinois*
Ponzer, Ernest Dewitt Richard, B.S.	*Illinois*
Poticha, Joseph, B.S.	*Illinois*
Price, Sydney, B.S.	*Illinois*
Quillman, Frank L.	*Illinois*
Quisling, Gunnar, B.S.	*Wisconsin*
Quisling, Ralph, B.S.	*Wisconsin*
Ragins, Alex Benjamin, B.S.	*Illinois*
Reznick, Samuel, B.S.	*Illinois*
Riskind, Lester, B.S.	*Illinois*
Ritt, Arnold Elmer Frederick, B.S.	*Illinois*
Ross, Edward	*Illinois*
Rubin, Harold Xavian, B.S.	*Illinois*
Rue, Doran Therman, A.B., B.S.	*Illinois*
Saberman, Meyer Irving, B.S.	*Illinois*
Sandberg, Ivan M., B.S.	*Illinois*
Sanfilippo, Paul Dominic, B.S.	*Illinois*
Schell, Milton Charles	*Illinois*
Schindler, John Andrew, B.S.	*Illinois*
Schlegel, Karl William, B.S.	*Illinois*
Schnepp, Keneth H., A.B., B.S.	*Illinois*
Schoenecker, Edgar Albert	*Wisconsin*
Schutz, William Jack, B.S.	*Illinois*
Shapiro, Louis Bernard, B.S.	*Illinois*
Shaw, Maurice Maceo, A.B., B.S.	*Illinois*

Silverstone, Eugene Henry, B.S., Ph.C.	*Illinois*
Simons, Joseph, B.S.	*Illinois*
Singer, Charlotte H., B.S., M.S.	*Illinois*
Smith, Francis Kirk, B.S.	*Illinois*
Smith, Russell Lee, B.S.	*Illinois*
Sommer, Conrad Samuel, B.S.	*Illinois*
Spiegel, Maurice Joseph, B.S.	*Illinois*
Strohl, Everett Lee, A.B., B.S.	*Illinois*
Swanson, Paul Edgar, B.S.	*Illinois*
Taft, Emanuel, B.S.	*Illinois*
Taylor, Marion Meredith, B.E., B.S.	*Illinois*
Terman, Louis Arlington, B.S.	*Illinois*
Thelen, Leo Leonard	*Illinois*
VanDerAue, Otto Ernest, B.S.	*Illinois*
Wachowski, Theodore John, B.S.	*Illinois*
Waters, Carl Fremont	*Illinois*
Welker, Dorothy Hutchinson, A.B., B.S.	*Illinois*
Wente, Constantin Frederick	*Illinois*
Wilson, Arthur D.	*Illinois*
Wixted, John Francis, A.B., B.S.	*Massachusetts*
Woodford, Lester Melvin, B.S.	*California*
Zeitlin, Howard, B.S.	*Illinois*

THIRD YEAR CLASS, 1930-31

Appelman, Benjamin, B.S.	*Illinois*
Aronofsky, Edward, Ph.G., B.S.	*Illinois*
Baird, Lester White, B.S.	*Illinois*
Becker, Harry Gregory, B.S.	*Illinois*
Bennett, David Andrew, B.S.	*Illinois*
Berman, Harry, B.S.	*Illinois*
Bernell, Edward Charles, B.S.	*Illinois*
Bretz, William Edward, B.S.	*Illinois*
Buky, Fannie, B.S.	*Illinois*
Chobot, Jerry	*Illinois*
Conley, Thomas Joseph, B.S.	*Illinois*
Copeland, William Jackson, A.B., B.S.	*Massachusetts*
Cravens, James Ebert, B.S.	*Illinois*
Cress, Henry Noah	*Illinois*
Diesner, Howard George	*Illinois*
Dine, William Clay, Jr., B.S.	*Illinois*
Ditkowsky, Samuel Irwin, B.S.	*Illinois*
Dixon, Claire Maurice, B.S.	*Illinois*
Domke, Delmar Eichler	*Illinois*
Donovan, Raymond Flowers, B.S.	*Illinois*
DuMont, Murray Sayle, Ph.G., B.S.	*Illinois*
Eddy, Corinne Schenck, Ph.B.	*Alabama*
Edelman, Maurice Irwin	*Illinois*
Edwards, Gilbert Harold, A.B., B.S.	*Illinois*
Endres, Fred Carl, B.S.	*Illinois*
Ennis, Arthur Loyal, B.S.	*Illinois*
Erenberg, Leon Marius	*Illinois*

Feiman, Daniel, B.S.	*Illinois*
Feinerman, Albert Hyman, B.S.	*Illinois*
Finney, Howard Albert, B.S.	*Illinois*
Firth, John Oscar, B.S.	*Illinois*
Fleischli, George Herman, B.S.	*Illinois*
Galin, Jack	*Illinois*
Geymer, George Cullom, B.S.	*Illinois*
Gilmore, John Hamilton, B.S.	*Illinois*
Goldenberg, George, B.S.	*Illinois*
Goodman, Ephraim Frank, B.S.	*Illinois*
Greenburg, Leo Jack, B.S.	*Illinois*
Gustafson, Carl Julius, B.S.	*Illinois*
Handelman, Milton, B.S.	*Illinois*
Harter, Irving Maurice, B.S.	*Illinois*
Hecht, Rudolph, B.S.	*Illinois*
Henner, Robert	*Illinois*
Hickerson, Robert Grantham	*Illinois*
Highman, Benjamin, B.S.	*Illinois*
Holleman, William Wallace	*Illinois*
Hoover, Harold Mark, B.S.	*Illinois*
Hubata, Joseph Allan, A.B.	*Illinois*
Hurwitz, Paul, B.S.	*Illinois*
Irvin, Runyon Hungate, B.S.	*Illinois*
Jaffray, David Smeaton, B.S.	*Illinois*
Kanter, Charles David	*Illinois*
Kazakevich, John Joseph	*Illinois*
Kelly, Clarence Francis, B.S.	*Illinois*
Kocour, Elmer Joseph, B.S.	*Illinois*
Kominik, Emanuel Aloysius Joseph, B.S.	*Illinois*
Koppa, Thaddeus Marion	*Illinois*
Kotler, Harry, B.S.	*Illinois*
Layman, John Albert, A.B., B.S.	*Kentucky*
Leavitt, Samuel Sheldon, B.S.	*Illinois*
Leff, Abraham, B.S.	*Illinois*
Legier, John Alfred, B.S.	*Illinois*
Lemberg, David Alvin, B.S.	*Illinois*
Lerner, David, B.S.	*Illinois*
Lerner, David Leonard, B.S.	*Illinois*
Levine, Arthur Harry, B.S.	*Illinois*
Lichtenstein, Ben William, B.S.	*Illinois*
Love, Loren Lennoth	*Illinois*
McQueen, Max Boyd, B.S.	*Illinois*
Malstrom, Bernard Edward	*Illinois*
Masor, Nathan Allen	*Illinois*
Mauzey, Armand Jean, B.S., B.S.	*Illinois*
Meyer, Alfred Karl, B.S.	*Iowa*
Miller, David Sidney, B.S.	*Illinois*
Miller, Joseph Samuel, B.S.	*Illinois*
Montgomery, Burtis Edgar, B.S., B.S., M.S.	*Illinois*
Mosko, Milton Mitchell, B.S.	*Illinois*
Movius, Alfred Henry, Jr., B.S.	*Illinois*
Nereim, Theodore Julius, A.B., B.S.	*Illinois*

Nimsovitz, Isadore Maurice, B.S.	*Illinois*
Orloff, Morris Philip, B.S.	*Illinois*
Pohovey, Rose	*Illinois*
Reynolds, John Todd, B.S.	*Illinois*
Rezek, George Henry, A.B.	*Illinois*
Rice, Paul Montel, B.S.	*Illinois*
Richmond, Samuel Irving, B.S.	*Illinois*
Ronstrom, George, B.S.	*Illinois*
Rosenthal, Martin, B.S.	*Illinois*
Ryan, Harry Edward, B.S.	*Illinois*
Sayle, William Frank, B.S.	*Illinois*
Schneider, Ambrose Daniel, B.S.	*Illinois*
Schumacher, Arthur Henry, B.S.	*Illinois*
Schwartz, Arthur, B.S.	*Illinois*
Seidmon, Edward Edgar Park, Ph.G., B.A.	*Illinois*
Seron, Vaheh M., S.B.	*Illinois*
Seymour, Fred William	*Illinois*
Shallenberger, Paul Lawrence	*Illinois*
Shuger, Michael Hershel	*Illinois*
Shure, Norman Morison, B.S.	*Illinois*
Shurtz, Thelma Leota, B.S.	*Illinois*
Sinay, Max, B.S.	*Illinois*
Stagman, Joseph, B.S.	*Illinois*
Steck, Isadore Elihu, B.S.	*Illinois*
Steiner, Louis Mark, B.S.	*Illinois*
Sugar, Carl, B.S.	*Illinois*
Tate, Cecil Earl, B.S.	*Illinois*
Thacker, Edgar Abney, A.B., B.S.	*Illinois*
Turowetzky, Isadore, B.S.	*Illinois*
Udesky, Isadore C., B.S.	*Illinois*
Urban, Frank Rudolph, B.S.	*Illinois*
Varney, Harley Roosevelt, B.S.	*Illinois*
Wall, John William, B.S.	*Illinois*
Wallheiser, LaVerne Myron, B.S.	*Illinois*
Walton, William Hester, Ph.B., B.S.	*Illinois*
Washington, John Campbell, B.S.	*Illinois*
Weinberg, Louis Sol, B.S.	*Illinois*
Werner, Merrill John	*Illinois*
Whittaker, Lorin Dixon, A.B., B.S.	*Illinois*
Wilson, Finis Ellsworth, B.S.	*Illinois*
Wilson, Robert Bruce, B.S.	*Illinois*
Wuesteman, Adelbert Earnest, B.S., B.S.	*Illinois*

SECOND YEAR CLASS, 1930-31

Albright, Arthur Cartwright, B.S.	*Illinois*
Anslinger, Cyril Jacob	*Illinois*
Balding, Bruce Ned, A.B.	*Illinois*
Ballin, Misha	*Illinois*
Bartlum, Joseph Shawl	*Illinois*
Baskin, Lester Sidney	*Illinois*
Bauer, Paul Barnabus	*Illinois*

Becker, Maurice Loren	*Illinois*
Bedard, Robert Edward, A.B.	*Illinois*
Bepko, Marie Kathrine	*Illinois*
Bernstein, Arthur	*Illinois*
Bernstein, Harold Carroll	*Illinois*
Bernstein, Samuel Leonard	*Illinois*
Bezman, Harry S.	*Illinois*
Birgerson, Alexander Oscar	*Illinois*
Bonnell, Ellis	*Illinois*
Branch, Charles Elmer	*Illinois*
Brodsky, Harry	*Illinois*
Brooks, George Freeman, A.B.	*Illinois*
Burroughs, Donald Dinsmore	*Illinois*
Buyer, Morris	*Illinois*
Cawthorne, Harold Jesse, A.B.	*Illinois*
Chern, Bernard Victor	*Illinois*
Christian, William Arnold, Jr.	*Illinois*
Cirrincione, Francis Anthony	*Illinois*
Cohen, Jacob	*Illinois*
Cohen, Melvin Russell	*Illinois*
Collins, Robert Bruce	*Illinois*
Comess, Oscar H.	*Illinois*
Conklin, James Oliver	*Illinois*
Cooper, Harry	*Illinois*
Costigan, Clarence Stephen	*Illinois*
Coyne, Albert Donald	*Illinois*
Darnall, Fred	*Illinois*
DeBourcy, Harry Carroll, A.B.	*Illinois*
Demski, Casimir	*Illinois*
Dickens, Helen Octavia	*Illinois*
Dickinson, Clyde Allan	*Michigan*
Dillman, Lucius Matlock	*Missouri*
Dunn, Max M.	*Illinois*
Dushkin, Milton Arnold	*Illinois*
Dyko, William Edward	*Illinois*
Ellis, Claude Irving	*Illinois*
Ellis, James Caleb, A.B.	*Illinois*
English, Harlan	*Illinois*
Fara, Frank Joseph, Jr.	*Illinois*
Farlander, Leland Kenneth	*Illinois*
Feinhandler, Emanuel	*Illinois*
Fox, Nathan S.	*Illinois*
Francona, Anthony	*Illinois*
Freda, Vincent	*Illinois*
Freeman, Ralph Waldo, A.B.	*Illinois*
Furby, Seeley B.	*Illinois*
Gittlestein, Sam Sigmund	*Illinois*
Gottlieb, Abraham Mitchell	*Illinois*
Gottlieb, Jacob D.	*Illinois*
Green, Frank Bernard	*Illinois*
Greenstein, Bernard Louis	*Illinois*

Gusinow, Nathan Richard	*Illinois*
Gustafson, Wesley Axel	*Illinois*
Hanley, Deloss Reed	*Illinois*
Harris, James Frank	*Illinois*
Hawkins, Kyle C.	*Illinois*
Helfer, Lewis Michael	*Illinois*
Hendricks, Clifford Alva	*Illinois*
Herndon, Zelma Lamb, B.S.	*Illinois*
Herrmann, Ross Edward	*Illinois*
Holtzman, Sam	*Illinois*
Ingber, Nathan G.	*Illinois*
Jacobs, William Francis, A.B.	*Illinois*
Johnson, Eric Gunnar	*Sweden*
Johnson, Stephen Patrick	*Illinois*
Karpass, Victor Herbert	*Illinois*
Kearney, Cletus Timothy	*Illinois*
Kersey, George Thomas	*Illinois*
Klotz, Maurice	*Illinois*
Klow, Sidney Deutsch	*Illinois*
Knapp, Joseph Louis	*Illinois*
Koransky, David Sydney	*Illinois*
Krevitt, Julius Maurice	*Illinois*
Kruglick, Jack	*Illinois*
Larkin, Leo Carroll	*Illinois*
Lawder, Homer Lee, A.B.	*Illinois*
Levin, Samuel O.	*Illinois*
Levine, Albert Joseph	*Illinois*
Levy, Jacob	*Illinois*
Lewis, Kenneth Elbert	*Illinois*
Lipnitzky, Samuel J.	*Illinois*
Lipstein, Morris Lester, Ph.G.	*Illinois*
Lustig, Julius	*Illinois*
McCune, Robert, Jr.	*Illinois*
Manelis, Samuel	*Illinois*
Marks, Meyer B.	*Illinois*
Matthei, Louis Philip	*Illinois*
Meyers, Isadore	*Illinois*
Miller, Harry Dudley	*Illinois*
Miller, Howard Russell, A.B.	*Illinois*
Mishkin, Irving	*Illinois*
Mouzakeotis, Theodore C.	*Illinois*
Narodick, Philip Howard	*Illinois*
Neece, Gus Warlick	*Illinois*
Nefsky, Albert	*Illinois*
Ocasek, William, Jr.	*Illinois*
Parker, Eugene Madison	*Illinois*
Patka, Joseph Aloysius	*Illinois*
Purves, Samuel Arthur	*Illinois*
Puumala, Reino Hendrick	*Montana*
Radner, David Benjamin, Ph.G.	*Illinois*
Reed, William John	*Illinois*

Rome, Sol	*Illinois*
Roos, Fred John	*Illinois*
Rose, Gabriel	*Illinois*
Schubert, Abraham Boris	*Illinois*
Schuman, Irving	*Illinois*
Schwerer, Herman Mayes, A.B.	*Illinois*
Shinglman, Willard Edwin	*Illinois*
Silverstein, Norman	*Illinois*
Singer, Sol	*Illinois*
Sladek, William Robert	*Illinois*
Smith, Gilbert Elden	*Illinois*
Smith, Robert Archie	*Illinois*
Speer, Ralph Edgerton	*Illinois*
Stamler, Maurice	*Illinois*
Steiner, Edward Joseph	*Illinois*
Telford, Leroy Thomas	*Illinois*
Teton, Joseph B.	*Illinois*
Thode, Paul Gustav	*Illinois*
Turner, Samuel Julius	*Illinois*
Urbanek, Frank Edward, B.S.	*Illinois*
Vail, Harry Fleming	*Illinois*
Vesely, Albert Joseph	*Illinois*
Vesely, Harry Charles	*Illinois*
Voris, Frank Burkhart	*Illinois*
Wacker, Maxwell Nathan	*Illinois*
Waldman, Irwin Jerome	*Illinois*
Walker, Joseph Monroe, Jr.	*Illinois*
Wallace, Marion Margaret	*Illinois*
Weatherly, James Alexander	*Illinois*
Weihe, Arthur Rudolph	*Illinois*
Weisdorf, William	*Illinois*
Weiss, Morris	*Illinois*
Welty, Jack Worthington	*Illinois*
Werbel, Ernest William	*Illinois*
Werch, Solomon Carl	*Illinois*
Westland, Richard Elroy	*Illinois*
Widerborg, Robert Elmer	*Illinois*
Williams, Ernest Bernard	*Illinois*
Winsberg, James Alfred	*Illinois*
Wolfe, Albyn Garrett, B.A.	*Illinois*
Zalar, Joseph Alfonso	*Illinois*
Ziedman, Irving, A.B.	*Illinois*
Zimmerman, Lazar Eli	*Illinois*
Zimring, Allan Joseph	*Illinois*
Zolt, Nathan	*Illinois*

FIRST YEAR CLASS, 1930-31

Adams, Joel E.	*Illinois*
Agate, George Henry	*Illinois*
Albaum, Joseph	*Illinois*
Albers, Elmer Arnold	*Illinois*

Altman, Harrie Pond, Jr.	*Illinois*
Anderson, Edward Raymon	*Illinois*
Anderson, Glen C.	*Illinois*
Apfelberg, Herbert Jack	*Illinois*
Aronow, Julius	*Illinois*
Aronson, Abraham	*Illinois*
Atkinson, Willis Hugh	*Illinois*
Baker, Edwin Francis	*Illinois*
Baker, Stuart P.	*Illinois*
Baker, Norman Ludlow	*Illinois*
Balmagia, Mitia	*Michigan*
Bard, Eli	*Illinois*
Bard, Itzweire	*Illinois*
Baxter, Edward Stuart	*Illinois*
Bay, Alfred Paul	*Illinois*
Bedinger, Paul Lincoln	*Illinois*
Benford, Myron Clyde	*Illinois*
Berg, Max	*Illinois*
Berger, Irving	*Illinois*
Berman, Louis M.	*Illinois*
Bernstein, Maxwell Robert	*Illinois*
Billings, Charles Arthur, A.B.	*Illinois*
Blaurock, Melvin Frank Otto	*Illinois*
Bogue, Willis Julian, S.B.	*Illinois*
Bomze, Edward J.	*Illinois*
Brodkin, Meyer	*Illinois*
Brown, Charles Edward	*Illinois*
Brown, David Joseph	*Illinois*
Bucher, Earl Clifford	*Illinois*
Burkhart, George Heckman	*Illinois*
Calosio, Richard Thomas	*Illinois*
Chabner, Louis	*Illinois*
Cihak, Joseph Frank	*Illinois*
Citron, Robert Ralph	*Illinois*
Cohen, Morton Irving	*Illinois*
Cohen, Sidney	*Illinois*
Cooper, Arthur Edwin	*Illinois*
Coseglia, Robert Paul	*Illinois*
Crystal, Harry Myer	*Illinois*
Deardorf, Frank Benson	*Illinois*
DeLong, Edward E.	*Illinois*
Edwards, Francis Griesbaum	*Illinois*
Elster, Ben Burt	*Illinois*
Farinacci, Maurice Graziano	*Illinois*
Feinhandler, Harold Samuel	*Illinois*
Fisher, Marshall Louis	*Illinois*
Fox, Morris E.	*Illinois*
Freeman, John Joseph	*Illinois*
Fricke, John William	*Illinois*
Fruin, Leon Thomas	*Illinois*
Fullerton, Willard Wilson, A.B.	*Illinois*

Galantiere, Seymour Barry	*Illinois*
Gano, Avison	*Illinois*
Gernon, William	*Illinois*
Glenn, Robert Wagner	*Illinois*
Goldman, Herman Israel	*Illinois*
Goldstein, Hyman Harry	*Illinois*
Goldstein, Samuel M.	*Illinois*
Gordon, Hyman Samson	*Illinois*
Greene, Robert LeRoy	*Illinois*
Grennan, Henry Arthur	*Illinois*
Gustafson, Joseph Goddard	*Illinois*
Hakala, Laurie John	*Montana*
Hall, Henry Russell	*Illinois*
Hanelin, Henry Arnold	*Illinois*
Harrold, J. Freeland	*Illinois*
Hays, Robert Paul	*Illinois*
Hellrung, Cecilia Marian	*Illinois*
Hepner, Paul Earl	*Illinois*
Hershey, Noel John	*Illinois*
Holoffe, Clarence P.	*Illinois*
Holstein, Theodore	*Illinois*
Holub, Louis Alvis	*Illinois*
Howard, Elmer E.	*Illinois*
Huffman, John Francis	*Illinois*
Hurwich, Jerome Jacob	*Illinois*
Imhof, Theophile	*Illinois*
Jacobs, Maurice Bernard	*Illinois*
Jaffe, Jack Hillel	*Illinois*
Johnson, Herman Roy	*Illinois*
Johnson, Titus Maurice, B.A., B.S.	*Illinois*
Kahn, Harold	*Illinois*
Kaiz, Seymour Pass	*Illinois*
Kaplan, Benjamin	*Illinois*
Kaplan, Morris	*Illinois*
Katz, Sal	*Illinois*
Kaufman, Jerome David	*Illinois*
Keigwin, Charles G.	*Illinois*
Kleiman, David	*Illinois*
Koza, John Louis	*Illinois*
Kraft, Robert Eugene	*Illinois*
Krakower, Irving	*Illinois*
Kreiger, Sherburne	*Illinois*
Kuczewski, Frank Henry	*Illinois*
Langner, Mitchell Edward	*Illinois*
Lapin, Morey, A.B.	*Illinois*
Lassman, Morris Leo	*New York*
Laurino, Anthony Michael	*Illinois*
Lehwald, Carl James	*Illinois*
Lemon, Robert George	*Illinois*
Levin, Milton	*Illinois*
Lobocki, Felix Vincent	*Illinois*

Lockwood, William Wayne	*Illinois*
Lome, Daniel	*Illinois*
Maley, William Forrester, B.A.	*Illinois*
Maniloff, Harold	*Illinois*
Marshall, Glenn Robert	*Illinois*
Mathis, John Haley	*Illinois*
Meisner, Joseph Ignatius	*Illinois*
Menke, Wilbur June, Jr.	*Illinois*
Miller, Walter Ulysses, B.A.	*Illinois*
Mohlenbrock, William Dean	*Illinois*
Moskovitz, Abe I.	*Illinois*
Nechtow, Mitchell Joseph	*Illinois*
Nelson, Thomas Finn	*Illinois*
Nierenberg, Harry Hyman	*Illinois*
O'Brien, Paul James	*Illinois*
Oehler, William Frederick	*Illinois*
Okner, Henry Bernard	*Illinois*
Olenick, Maurice Behr	*Illinois*
O'Malley, James Emmett, B.S.	*Illinois*
Parker, Forest Caleb	*Indiana*
Pass, Ben	*Illinois*
Pass, Benjamin Bernard	*Illinois*
Piser, Alfred Lionel	*Illinois*
Platt, Samuel Sidney	*Illinois*
Prybylinski, Max George	*Illinois*
Raber, Michael William	*Illinois*
Reinglass, Sam	*Illinois*
Richter, Irving Bernard	*Illinois*
Rightman, Irving	*Illinois*
Roberson, William Victor	*Illinois*
Rosen, Ralph Eugene	*Illinois*
Rosenbloom, David	*Illinois*
Rosenstiel, Henry Carl	*Illinois*
Roth, John Bernard	*Illinois*
Row, Charles Francis	*Illinois*
Rubenstein, Marshall William	*Illinois*
Rubisoff, Reuben	*Illinois*
Saruk, Fred S.	*Illinois*
Scheffler, Milton Morris	*Illinois*
Schlan, Louis	*Illinois*
Schoolman, Joseph G., A.B.	*Illinois*
Schultz, Harry	*Illinois*
Schwartz, Benjamin	*Illinois*
Schwartz, Harry Robert	*Illinois*
Scully, John Chapell	*Illinois*
Seaton, Ralph Millard	*Illinois*
Seifert, Harry Lewis	*Massachusetts*
Shagam, Robert Mayr	*Illinois*
Shinall, Harold Louis	*Illinois*
Shutan, Emanuel	*Indiana*
Simon, Martha Frances	*Illinois*

Slepyan, Albert H.	*Illinois*
Slott, Henry Edward	*Illinois*
Smerz, Anton	*Illinois*
Stewart, Henry Kenneth, B.S.	*Louisiana*
Taglia, Amedeo Vespucius	*Illinois*
Thomas, Clyde Oral	*Illinois*
Thomsen, Philip Gordon	*Illinois*
Tuchow, Irving	*Illinois*
Tulsky, Alex Sol	*Illinois*
Wachs, Leonard	*Illinois*
Wachsman, David Victor, Jr.	*Illinois*
Walker, William Davis	*Illinois*
Weinberg, Julius	*Illinois*
Williams, Whielden Wallace, B.S.	*Illinois*
Willis, Virginia Beatrice	*Illinois*
Winn, John Paul, B.E.	*Illinois*
Wise, Harry Arthur	*Illinois*
Wittenberg, Carlton Emil, B.S.	*Illinois*
Wolfson, Lester	*Illinois*
Yanowitz, Joseph Johanan	*Illinois*
Young, Francis Joseph	*Illinois*
Young, Warren William	*Illinois*
Zeiter, Walter Jacob	*Illinois*
Zwerko, Adam	*Illinois*
Zwerko, Casimir	*Illinois*

Unclassified

Budd, John Phillip	*Illinois*
Havlik, John Charles	*Iowa*

UNIVERSITY OF ILLINOIS
THE GRADUATE SCHOOL

GRADUATE COURSES IN MEDICINE AND DENTISTRY

DEPARTMENTS OF

Anatomy; Dental Therapeutics; Dermatology; Juvenile Behavior, Laryngology, Rhinology and Otology; Medicine; Metallurgy; Neurology and Psychiatry; Obstetrics and Gynecology; Ophthalmology; Oral Surgery; Orthodontia; Orthopaedics; Pathology and Bacteriology; Pediatrics; Pharmacology; Physiological Chemistry; Physiology; Surgery.

Announcement of
Summer Quarter of 1931, June 11-August 31
and Session of 1931-32
1931

GRADUATE SCHOOL CALENDAR

SUMMER SESSION

1931

June 11-12, Thursday, Friday	Registration Days
June 11, Thursday	Summer Session begins
July 4, Saturday	A legal holiday
August 8, Saturday, 12 m.	Last day for candidates for degrees in August to deposit theses

FIRST SEMESTER

1931

October 7-8, Wednesday, Thursday	Registration Days
September 21, Monday	Last day for candidates for master's degrees in October to file applications for degrees and to deposit theses
September 25, Friday	Preliminary examination in French
October 2, Friday	Preliminary examination in German
November 25, Wednesday, 12 m.	Thanksgiving recess begins
November 30, Monday, 8 a. m.	Instruction resumed
December 22, Tuesday, 5 p. m.	Holiday recess begins

1932

January 4, Monday, 8 a. m.	Holiday recess ends
January 16, Saturday, 12 m.	Last day for filing applications for master's degrees to be conferred in February Last day for candidates for master's and doctor's degrees in February to deposit theses
January 23, Saturday	Preliminary examination in French
February 6, Saturday	Preliminary examination in German

SECOND SEMESTER

February 11-12, Thursday, Friday	Registration days
March 24, Thursday, 5 p. m.	Easter recess begins
March 28, Monday, 8 a. m.	Easter recess ends
April 29, Friday	Preliminary examination in French
May 2, Monday	Last day for filing applications for master's degrees to be conferred in June
May 6, Friday	Preliminary examination in German
May 16, Monday	Last day for filing application for master's degrees to be conferred in August
May 18, Wednesday	Last day for candidates for doctor's degrees in June to deposit theses
June 1, Wednesday	Last day for candidates for master's degrees in June to deposit theses
June 10, Friday, 10 a. m.	Annual Commencement

THE GRADUATE SCHOOL

THE EXECUTIVE FACULTY[1]

Harry Woodburn Chase, Ph.D., LL.D., President of the University

Arthur Hill Daniels, Ph.D., *Professor of Philosophy and Dean of the Graduate School*
Roger Adams, Ph.D., *Professor of Organic Chemistry*
Ernest Bernbaum, Ph.D., *Professor of English*
William Leonidas Burlison, Ph.D., *Professor of Crop Production*
Edward Herbert Cameron, Ph.D., *Professor of Educational Psychology*
Arthur Byron Coble, Ph.D., *Professor of Mathematics*
Frederick Charles Dietz, Ph.D., *Professor of History*
Herbert Fisher Moore, M.M.E., D.Sc., *Research Professor of Engineering Materials*
Rexford Newcomb, A.M., M. Arch., A.I.A., *Professor of the History of Architecture*
William Abbott Oldfather, Ph.D., *Professor of Classics*
Henry Perly Rusk, M.S., *Professor of Cattle Husbandry*
Raymond Stratton Smith, Ph.D., *Professor of Soil Physics*
Fred Wilbur Tanner, Ph.D., *Professor of Bacteriology*
Nathan Austin Weston, Ph.D., *Professor of Economics*
Arthur Cutts Willard, B.S., *Professor of Heating and Ventilation*

STANDING COMMITTEE ON GRADUATE WORK IN MEDICINE AND DENTISTRY

David John Davis, Ph.D., M.D., *Chairman*
Frederick Bogue Noyes, A.B., D.D.S., Sc.D.
Hugh Alister McGuigan, Ph.D., M.D.
Carl Arthur Hedblom, M.D., Ph.D.
William Henry Welker, Ph.D., *Secretary*

THE TEACHING FACULTY[2]

1931-32

David John Davis, Ph.D., M.D., *Dean of the College of Medicine, Professor of Pathology and Bacteriology and Head of the Department, and Director of Graduate Work in Medicine*
William Henry Welker, Ph.D., *Professor of Physiological Chemistry and Head of the Department*
Hugh Alister McGuigan, Ph.D., M.D., *Professor of Pharmacology, Materia Medica and Therapeutics and Head of the Department*
Otto Frederick Kampmeier, Ph.D., M.D., *Professor of Anatomy and Head of the Department*
Frederick Brown Moorehead, M.S., D.D.S., M.D., *Professor of Oral and Plastic Surgery and Oral Pathology and Head of the Department*
William F. Petersen, M.D., *Professor of Pathology and Bacteriology*

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[1] The administration of the Graduate School is conducted by the Executive Faculty, appointed from year to year by the President on nomination of various departments and recommendations of the Dean of the Graduate School.

[2] The Teaching Faculty includes all those who at any time give courses of strictly graduate character. Such courses are accepted for major credit and are numbered one hundred and upwards. For the present such courses are offered by the above faculty.

Frederick Bogue Noyes, A.B., D.D.S., Sc.D., *Dean of the College of Dentistry, Professor of Orthodontia and Head of the Department*

Olaf Bergeim, Ph.D., *Associate Professor of Physiological Chemistry*

Albert Bachem, Ph.D., *Professor of Physiology*

Frederick Howard Falls, B.S., M.S., M.D., *Professor of Obstetrics and Gynecology and Head of the Department*

Carl Arthur Hedblom, M.D., Ph.D., *Professor of Surgery and Head of the Department*

Julius Hayes Hess, M.D., *Professor of Pediatrics and Head of the Department*

Norval Pierce, M.D., *Professor of Laryngology, Rhinology and Otology and Head of the Department*

Francis Eugene Senear, M.D., *Professor of Dermatology and Head of the Department*

Charles Spencer Williamson, M.D., *Professor of Medicine and Head of the Department*

Lloyd Arnold, M.D., *Professor of Bacteriology and Preventive Medicine*

Walter John Richard Camp, M.D., Ph.D., *Associate Professor of Pharmacology and Therapeutics*

James Roy Blayney, B.S., D.D.S., M.S., *Professor of Therapeutics, Head of the Department in the College of Dentistry and Associate Director of the Infirmary*

Franklin P. Reagan, A.B., Ph.D., *Associate Professor of Anatomy*

Paul Louis Schroeder, B.S., M.D., *Professor of Criminology, Director of the Institute for Juvenile Research and State Criminologist*

Harold Douglas Singer, M.B., M.D., *Professor of Psychiatry and Head of the Department of Neurology and Psychiatry*

Henry Bascom Thomas, B.S., M.D., *Professor of Orthopaedics and Head of the Department*

George Boris Hassin, M.D., *Professor of Neurology*

Andrew W. Brown, A.B., M.A., Ph.D., *Chief Psychologist*

GRADUATE WORK IN MEDICINE AND DENTISTRY

ADMISSION

Admission to the Graduate School may be granted to graduates of institutions whose requirements for the bachelor's degree are substantially equivalent to those of the University of Illinois, and to applicants from other institutions approved by the Executive Faculty, as hereinafter provided. *Admission to the Graduate School does not, however, imply admission to candidacy for an advanced degree, and gives no right or claim to be so admitted. Such candidacy is determined by the faculty after the student has demonstrated by his work here, for from two to five months, that he has ability to do major work of graduate character. A mere accumulation of "credits" or "grades" is not sufficient.*

Admission to graduate courses may be granted only to those who have had the requisite undergraduate work in those courses or departments. But a student of mature age who satisfies the Director and the department concerned of his ability to pursue graduate work in a given line may be enrolled in particular graduate courses, without reference to a degree, and permitted to carry on such study or investigation under the direction of a department of the University as the department shall recommend and the Dean approve.

Application blanks for admission may be secured from the Secretary of the Committee on Graduate Work in Medicine and Dentistry. Every applicant must submit with his application for admission an official transcript of his college record.

REGISTRATION AND PROGRAM OF STUDY

The following regulations concerning registration and program of studies are laid out primarily for first-year students. Second-year and third-year graduate students fill out their programs irrespective of the unit value of courses, according to their needs, under the advice of their instructors.

Registration.—Each graduate student must register at the beginning of each semester.

The registration of a new student may be accepted at any time provided the student is prepared to take up courses actually under way. Credit towards the fulfillment of the residence requirement dates, however, from the time of registration and not from the beginning of the semester or year in which the student enters. Registration will not be permitted later in the year than April 1, except in the case of students who expect to continue through the summer session, or are returning to complete a year's work which has been interrupted by unavoidable circumstances. *No student is permitted to attend any University course in which he is not registered.*

The first registration, or that on entrance, is permitted only after the student's application for admission to the Graduate School, setting forth his educational attainments, has been duly approved.

Seniors and Graduate Study.—If at the beginning of the second semester of his senior year a student, who has been in residence at least one year, is within five hours of a bachelor's degree, he may be permitted to register for courses which may count for residence for a master's degree; provided his program does not require more than twelve formal class, lecture, or laboratory exercises a week, and is approved by the Dean at the time of registration. Only students of excellent record will be allowed this privilege.

Failures.—A graduate student who fails in any course in his major subject cannot secure his degree in the same year in which the failure occurred. No condition examinations are given graduate students.

Students on the Staff.—Assistants and others on the University staff who undertake to do graduate work are permitted to take an amount of work determined by the terms of their employment. Such a student, if required by his engagements to teach more than five classes a week or to have laboratory work or supervision exceeding ten hours a week, may not receive his master's degree at the end of one year, nor his doctor's degree at the end of three.

Residence and Work Done Elsewhere.—Continuous residence and study are required of all members of the Graduate School, unless they are granted leave of absence by the Director, upon recommendation of the professor in charge of their work, for the purpose of carrying on elsewhere studies or investigations in the line of work for their degrees.

Members of the staff who have done graduate work in approved institutions elsewhere may secure credit not to exceed four units towards the master's degree by passing examinations in that work. They may complete the work for the degree by securing at least four units more while registered in the Graduate School for not less than one academic year.

Withdrawal.—If after registration a graduate student wishes to withdraw from any course or to add other work, he must first secure the necessary papers from the Director's office. If he wishes to withdraw from the University he must get clearance papers at the Director's office.

DEGREES

The Degree of Master of Science

Character of Master's Degree.—The master's degree conferred depends upon the character of the bachelor's degree. The usual practice is that A.M. shall follow A.B., and that M.S. shall follow B.S. However, this practice may be departed from in cases where the undergraduate course of study was of a kind for which some reputable institutions in this country give A.B., while others give B.S.

Amount of Work Required.—Candidates for the degree of Master of Arts or Master of Science are required to do at least one full year's work in residence, including a thesis. By this is meant from four to five unit courses each semester, or their equivalent. A unit course is one which requires ten hours of time a week through one semester, or fifteen hours of time a week through the summer quarter of twelve weeks, irrespective of the mode of distribution of that time in class work, laboratory work, and private study. Four such courses or their equivalent constitute a full *minimum* program for one semester, and eight such courses, or their equivalent, constitute the *minimum formal* year's work accepted for a master's degree. Only first-rate students are permitted to secure a degree with this minimum program.

Unless otherwise permitted, every student must take each semester at least one course open to graduate students only (courses numbered 100 and upwards).

In the first year of his graduate study each student is required to attend a minimum of four formal class, lecture, or laboratory exercises a week. In no case is he permitted during his course to attend more than twelve a week, without permission.

Grades.—Students' work is graded in five classes, A, B, C, D and E. The last indicates a failure. D indicates unsatisfactory, though passable, work.

A student who receives two units of a grade below B during his first year of graduate work may not complete the first year of residence by carrying the minimum program of eight units for the master's degree. Three units of a grade below B disqualify a student as a candidate for a degree.

A failure or absence from examination in any course may prevent the conferring of the degree; and, as already indicated, failure in any course in the major field precludes the conferring of the degree in the same year.

Majors and Minors.—A candidate for a master's degree may do all his work in one subject, or he may select a major and one minor, or a major and two minors. A major or a minor denotes the field of knowledge of a department, or such part thereof as constitutes a separate and independent division of that field. For a master's degree a major is at least half the work, or a minimum of four units, for one year. Less than one unit may not be counted as satisfying the requirements of a minor without the approval of the department concerned.

Foreign Language.—The ability to use one or more of the modern languages ordinarily studied in the undergraduate curriculum is expected of all candidates for the master's degree, and in some lines of study is required. On this matter students should consult the heads of the departments in which their major subjects lie.

Master's Thesis.—Each candidate for a master's degree is required to present a thesis on some subject approved by the professor in charge of his major work and the Executive Faculty of the Graduate School. Such approval, except in the case of students working for master's degrees in summer sessions only must be secured and the subject of the thesis filed at the office of the Graduate School not later than the beginning of the second half year of residence. The requirement of a thesis may be waived, however, upon the recommendation of the head of the department in which the student is doing his major work and the approval of the Director, provided application to waive the thesis is made at the time for announcing thesis subjects. A student excused from writing a thesis must replace it with additional courses of instruction.

No one will be excused from writing a thesis unless one-half of his program of studies consists of courses numbered 100 and upwards.

The thesis required from a candidate for a master's degree ordinarily will demand one-fourth of the student's time and may not exceed one-third of it. The thesis must be typewritten, on "thesis-paper,"[1] and the title page must be printed. The thesis in its final form, together with a certificate of approval by the proper officer, must be sent by the professor in charge to the Dean's office at least two weeks before the date on which the degree is to be conferred. No article prepared for another use, or previously published, will be accepted as a thesis.

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[1] No other will be accepted by the Dean. "Instructions for the Preparation of Theses" may be obtained at the Secretary's Office, Room 309, Research Laboratory and Library Building.

Under proper conditions a student may be permitted to complete the last fourth of his work, if devoted to his thesis, under leave of absence for a period not to exceed the equivalent of two semesters. To get such permission the student must have secured proper credit for at least six units; must petition for the privilege; must submit to the Dean an outline of the proposed investigation, approved by the head of his major department; and must submit satisfactory evidence that adequate facilities are available to him at the place where he intends to do the proposed work. Approval on all these points must be obtained one collegiate year before the thesis is due. Immediately following approval the student must register and pay an incidental fee of $20.00.

Applications for Degrees.—Each candidate for the degree of Master of Arts or Master of Science shall file an application for the degree on a blank provided for the purpose, to be had at the Secretary's office.

The Degree of Doctor of Philosophy

Major and Minor Subjects.—A member of the Graduate School who desires to become a candidate for the degree of Doctor of Philosophy is required to pursue a major subject in the department in which his research lies. He is also required to choose one minor subject, or he may choose two. If one minor only is chosen it must be taken in a department of study other than that of the major, and credit for it may be earned by work representing not less than four units, or one-sixth of the total residence required for the doctorate. If two minors are chosen, one must be a subject closely related to the major. With the approval of the adviser it may be a division of the major field of study. If the second minor is outside the department of major study, it may be satisfied by work representing not less than two units or one-fourth of a year of residence.

Except by special permission of the Dean the preliminary examination in major and minor subjects may not be taken until the minor work has been done.

Method of Computing Residence.—Credit for a full year of graduate work means that the student has during that time devoted all his working time and energy to study of a graduate grade. After the first year of residence credit is not recorded in units, and there is no fixed correspondence between credit and course as in undergraduate work. Thus it is possible for a second-year student to devote all his time to one course and his research; and for a third-year student to devote all his time to his research work alone.

Period of Study.—The *minimum* period of study required for securing the degree of Doctor of Philosophy is three years, during which the student is required to devote all his working time to his studies. All three years must be spent in residence at some accredited educational institution, and either the first two or the last one of the three must be spent at the University of Illinois. The degree is conferred, however, not for residence, during a certain period, but for scholarly attainments and power of investigation, as proved by theses and examinations.

Work Done in Other Universities.—Credit for graduate work done in other universities is not "transferred." However, it may be accepted on examination as equivalent to resident work at the University of Illinois, provided the institution in which it was done is of high standing.

EXAMINATIONS

Preliminary.—A. In major and minors.—Toward the end of his second year of study, or by special permission, at the beginning of his third year, the candidate for the degree must submit to a preliminary examination, in order to determine whether he will be accepted as a candidate for the degree in the following year. This examination is intended to test the student's knowledge of the fields of his major and minor subjects of study only. It is partly oral, and may be wholly so.

The student will not be admitted to his preliminary examination until the faculty is satisfied that he has finished substantially the equivalent of two years' graduate work. He must do a full year's graduate work between his preliminary examination and the completion of his work for the doctorate.

B. In Languages.—The candidate will be required to demonstrate his ability to read French and German and other languages needed in his work. This test of proficiency in the use of French and German must be passed before the student is admitted to the preliminary examination in major and minor subjects.

Final Examination.—At least two weeks before the time when the degree is conferred, the candidate must submit to a final examination, given by a committee appointed by the Dean. This examination is primarily on the research work of the student, as embodied in his thesis, but is not confined to that. It extends to the whole field of study of the candidate. It will not be confined to the courses which the candidate has attended in the University of Illinois only, if he has done part of the work elsewhere; nor even to the field covered by the courses, specifically taken in this or other universities; but will be so conducted as to determine whether the candidate has a satisfactory grasp of his major subject as a whole, and a general acquaintance with the fields of knowledge represented by his course of study.

The final examination may not be divided. The examination must be taken all at one time though it requires several sessions.

If after having passed his preliminary examination, he fails in the third year of his study to meet the expectations of the professors in charge of his work, or in any way fails to maintain the standard of scholarship and power of research expected of him, he may be refused admission to the final examination.

Other Examinations.—Before the candidate is admitted to the final examination and the defense of his thesis, he may be required to take any other examination, oral or written, that is thought proper by the various departments in which he has studied.

The above examinations are in addition to those in the courses for which the student is registered. These must be taken at times for which they are set in the examination schedule.

Thesis.—The power of independent research must be shown by the production of a thesis on some topic connected with the major subject of study. The candidate is expected to defend his thesis or dissertation before the members of the faculty, or as many of them as may wish to question him about it, in connection with his final examination.

The subject of the thesis should be chosen not later than the end of the second year of residence and must be submitted for formal approval by the faculty not later than six weeks from the beginning of his third year of residence.

A typewritten copy of the complete thesis, *on thesis paper*,[1] and in final form must be deposited in the office of the Dean for presentation to the examining committee not later than two weeks prior to the final examination, and not less than four weeks before the time when the degree is conferred. At the same time, the candidate must deposit with the Dean a manuscript of the essential part, or an abstract, or a digest of his thesis, in condition for publication at a cost not to exceed seventy-five dollars ($75). The manuscript must be sufficient to show the method followed, the evidence used and the conclusions reached in the investigation, and must bear the approval of the department and the Executive Faculty of the Graduate School.

The candidate must pay to the Comptroller before graduation the sum of seventy-five dollars ($75) out of which the University will print at least one hundred copies of this manuscript for circulation by the University, unless the thesis entire or in abbreviated form is published by the author or is accepted for publication by a standard journal or publisher within a year from the date of graduation. In the latter event, and after one hundred copies have been presented to the University by the writer, the cash deposit shall be returned to him.

The typewritten and printed forms of the thesis must comply with the regulations given in "instructions for the preparation of masters' and doctors' theses," copies of which may be obtained at the Secretary's office.

GRADUATE SCHOLARSHIPS AND FELLOWSHIPS

A number of scholarships and fellowships have been established by the Trustees of the University. To first-year graduate students of ability and promise there are open a number of scholarships with a stipend of $300 each and freedom from tuition, incidental and laboratory fees.[2] To second-year and third-year graduate students, that is, those who have had one or two years of graduate study, there are open fellowships with stipends of $400 and $500, with freedom from the above-mentioned fees. The larger stipends are given only to students who are expected to take their degrees within the year. Each holder of a fellowship or scholarship must pay the matriculation fee of ten dollars, unless he holds a first degree from the University of Illinois, and also the diploma fee of ten dollars on receiving his diploma.

Candidates for these scholarships and fellowships must be graduates of the University of Illinois or colleges or universities having equivalent requirements for bachelors' degrees.

Application must be made on blanks to be obtained from the Dean of the Graduate School. These application forms should be sent to the Dean of the Graduate School as early as possible in February of the academic year preceding that for which the fellowship is desired. No application will be considered if received later than March first, until after April fifteenth, the date when appointees from the first list of applicants must accept or refuse their appointments.

Persons appointed are notified on April first and must send the Secretary of the Board of Trustees notice of their acceptance or refusal by April fifteenth and

must agree that, if accepted, the appointment will not be resigned to take a similar one in any other institution during the year for which it is awarded.

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[1] No other will be accepted by the Dean.

[2] Up to a certain amount.

Nominations to fellowships are made on the grounds of worthiness of character, scholastic attainments, and promise of success in the principal line of study or research to which the candidate proposes to devote himself. Scholarships and fellowships are not given to candidates who are over thirty years of age at the time when the appointment is to be made.

An appointment as honorary fellow, without stipend, may be made as specified for paid fellowships in the case of one who has shown distinguished merit in his work.

Fees and Expenses.—Except as noted below, graduate students in medicine and dentistry pay fees as follows:

Matriculation fee	$10.00
Incidental fee (summer quarter)	20.00
Students not residents of Illinois pay an incidental fee of	30.00
Incidental fee (semester)	35.00
Students not residents of Illinois pay each semester an incidental fee of	62.50
Diploma fee	10.00

For the graduate course in orthodontia in preparation for the practice of orthodontia as a specialty, the yearly tuition fee is $600, one-third payable at the beginning of the second semester in February, at which time the course opens, one-third in June at the beginning of summer school, one-third in October, at the beginning of the first semester.

All graduate students who have not matriculated as undergraduates at the University of Illinois pay the matriculation fee on entrance.

All graduate students pay the diploma fee on being recommended for their degrees.

No tuition or incidental fee is charged for graduate courses to members of the corps of instruction, or of the staffs of the scientific bureaus or experiment stations who are appointed by the Board of Trustees, nor for undergraduate courses on their study-lists if approved by the heads of the departments and by the Dean of the School as necessary or desirable for the proper completion of the work for the degree.

LIBRARY

Adequate library facilities are essential to the prosecution of graduate work and research. In the library may be found files of journals, monographs, separates, and standard texts supplying nearly every need.

DEPARTMENTS OF INSTRUCTION

ANATOMY

101. Histogenesis and Experimental Morphology.—Cytological and morphological changes in the organism which are directly correlated with normal processes, such as reproduction, differentiation, nutrition, growth, variation, regulation, regeneration, activity, secretion, rest, fatigue, senility.—One or two units. Professor Kampmeier, Associate Professor Reagan

103. Individual Research and Embryology and Histogenesis.—One or two units. Professor Kampmeier, Associate Professor Reagan

105. Advanced Anatomy.—One or two units.
Professor Kampmeier, Associate Professor Reagan

DENTAL THERAPEUTICS

101. Advanced Therapeutics.—One or two units.
Professor Blayney

103. Therapeutic Research.—One or two units.
Professor Blayney

DERMATOLOGY

101. Research in Dermatology.—One to three units.
Professor Senear

JUVENILE BEHAVIOR

101. Research in Juvenile Behavior.—One to three units.
Professor Schroeder

103. Special Abilities and Disabilities.—One to two units.
Dr. Brown

104. Psychological Tests.—One to two units.
Dr. Brown

105. Psychology of Behavior Problems.—One to two units.
Dr. Brown

LARYNGOLOGY, RHINOLOGY AND OTOLOGY

101. Research in Laryngology, Rhinology and Otology.—One to three units. Professor Pierce

MEDICINE

101. Research in Medicine.—One to three units.
Professor Williamson

METALLURGY

101. Metallurgical Research.—One or two units.
Professor Welker

NEUROLOGY AND PSYCHIATRY

101. Research in Neurology.—One to three units.
Professor Hassin

102. Research in Psychiatry.—One to three units.
Professor Singer

OBSTETRICS AND GYNECOLOGY

101. Research in Obstetrics and Gynecology.—One to three units.
Professor Falls

OPHTHALMOLOGY

101. Research in Ophthalmology.—One to three units.

ORAL SURGERY

101. Pathology of Mouth.—One or two units.
Professor Moorehead

103. Oral Surgery.—One or two units.
Professor Moorehead

ORTHODONTIA

101. Orthodontia.—One or two units.
Professor Noyes

ORTHOPAEDICS

101. Research in Orthopaedics.—One to three units.
Professor Thomas

PATHOLOGY AND BACTERIOLOGY

101. Advanced Pathogenesis.—Etiology and pathogenesis of certain diseases with especial consideration of the role that the lower animals play in the transmission of human disease. Lectures, conferences, demonstrations, assigned readings. —One or two units.
Professor Davis, Professor Petersen, Professor Arnold

103. Individual Research Course.—One or two units.
Professor Davis, Professor Petersen, Professor Arnold

PEDIATRICS

101. Research in Pediatrics.—One to three units.
Professor Hess

PHARMACOLOGY

101. Advanced Pharmacodynamics.—Laboratory work.—One or two units.
Professor McGuigan, Associate Professor Camp

103. Research in Pharmacodynamics.—One or two units.
Professor McGuigan, Associate Professor Camp

PHYSIOLOGICAL CHEMISTRY

101. Advanced Biological Chemistry.—Biochemical methods of research, biological colloids, enzyme action, and metabolism.—One or two units.
Professor Welker, Associate Professor Bergeim

103. Biochemical Research.—One or two units.
Professor Welker, Associate Professor Bergeim

PHYSIOLOGY

101. Advanced Physiology.—An introduction to original work in Experimental Physiology. Individual instruction in fundamental methods. Laboratory courses.—One or two units. Professor Visscher

102. Research Work in Physiology.—One or two units.
Professor Visscher

103. Research in Bio-Physics.—One to three units.
Professor Bachem

SURGERY

101. Research in Surgery.—One to three units.
Professor Hedblom

REGISTER OF STUDENTS GRADUATE SCHOOL

1930-1931

SUMMER QUARTER—1930

Aaronson, Abraham Louis—Physiological Chemistry. B.S., 1926, M.D., 1929. Chicago.

Aries, Leon Judah—Pathology. B.S., 1929. Chicago.

Bell, Harold William—Orthodontia. D.D.S., University of Southern California Dental College, 1926. Chicago.

Bennett, David Andrew—Bacteriology. B.S., 1930. Canton, Illinois.

Berger, Louis—Anatomy. B.S., 1929. Chicago.

Bernell, Edward Charles—Pathology. B.S., 1930. Chicago.

Blayney, James Roy—Pathology. D.D.S., Northwestern University, 1913, B.S., Lewis Institute, 1924, M.S., University of Chicago, 1928. Chicago.

Bradel, Sigmund Francis—Metallurgy. B. Met. Eng., Ohio State University, 1923, D.D.S., 1928. Chicago.

Briggs, Frances Agnes—Physiological Chemistry. B.S., 1926, M.S., Tulane University of Louisiana, 1928. Metamora, Illinois.

Cohen, Bernard M.—Bacteriology. B.S., 1929. Chicago.

Cornbleet, Theodore—Dermatology. B.S., M.D., St. Louis University Medical School, 1921, 1923. Chicago.

Davison, Richard Milton—Surgery. B.S., M.B., M.D., University of Minnesota, 1926, 1928, 1929. Minneapolis, Minnesota.

Dine, William Clay, Jr.—Pharmacology. B.S., 1930. Maroa, Illinois.

Downs, William Benham—Orthodontia. D.D.S., 1926. Batavia, Illinois.

Dreyer, Irving—Pathology. B.S., 1928. Chicago.

Emig, Herbert Martin—Pharmacology. Ph.G., B.S., Philadelphia College of Pharmacy and Science, 1919, 1924. Oak Park, Illinois.

Ewing, Paul Leon—Pharmacology. B.A., Milton College, 1926, M.S., 1929. Oak Park, Illinois.

Fisch, Max Eleazer—Anatomy. B.S., 1917, M.S., M.D., 1919, Chicago.

Gillesby, William James—Physiological Chemistry. S.B., University of Chicago, 1927, B.S., 1929. Chicago.

Gueth, Edward Frederick—Pharmacology. A.B., Cornell College, 1929. Freeport, Illinois.

Highman, Benjamin—Pathology. B.S., 1930. Chicago.

Hurwitz, Paul—Pathology. B.S., 1930. Chicago.

Jentzsch, Richard Alvin—Orthodontia. D.D.S., 1926. Oak Park, Illinois.

Joannides, Minas—Surgery. M.D., Washington University, 1921, M.S., 1928. Chicago.

Johnson, Clarence Albert—Physiological Chemistry. B.S., M.S., University of Chicago, 1925, 1928. Oak Park, Illinois.

Kaplan, Hyman Joseph—Bacteriology. A.B., 1927, B.S., 1929. Champaign, Illinois.

Kaplan, Morris Aaron—Physiological Chemistry. B.S., 1929. Chicago.

Kaplan, Samuel—Obstetrics and Gynecology. B.S., 1922, M.D., 1925. Chicago.

Kaufman, Irving—Pathology. B.S., 1929. Chicago.

Kesel, Robert George—Bacteriology. D.D.S., 1926. Aurora, Illinois.

Korando, Elladeane—Bacteriology. B.E., Southern Illinois Normal University, 1925. Raddle, Illinois.

Ladd, Robert Lelon—Pathology. A.B., Park College, 1920, M.D., Rush Medical College, 1926. Chicago.

Lieboner, S. K. Eugenia—Physiological Chemistry. A.B., Rockford College, 1928. Chicago.

MacFate, Robert Preston—Physiological Chemistry. Ch.E., Lehigh University, 1925, M.S., 1929. Chicago.

Maryan, Harry Oliver—Obstetrics. S.B., 1921, M.D., 1922. Chicago.

McDaniels, Herbert Eli—Bacteriology. B.S., University of Chicago, 1925. Chicago.

McQueen, Max Boyd—Pharmacology. B.S., 1930. Hutsonville, Illinois.

Miller, William Edward—Bacteriology. A.B., Fisk University, 1923, B.S., 1928. Chicago.

Milles, George—Pathology. Ph. G., 1921, B.S., 1923, M.D., 1929. Chicago.

Milliken, Margaret Eugenie—Physiological Chemistry. A.B., Colorado College, 1926. Chicago.

Montgomery, Burtis Edgar—Bacteriology. B.S., M.S., 1930. Chicago.

Myer, Ernest—Orthodontia. D.D.S., 1929. Chicago.

Naftzger, Robert Earl—Orthodontia. D.S., 1924. Chicago.

Nedzel, Alexander John—Bacteriology. Diploma of Physician, New Russian Imperial University, 1913. Elmwood Park, Illinois.

Powell, Frank Elizabeth—Bacteriology. A.B., 1929. Canton, Illinois.

Ragins, Benjamin Alex—Pathology. B.S., 1929, M.S., 1931. Chicago.

Rappaport, Ben Zion—Pathology. B.S., 1920, M.D., 1923. Chicago.

Reynolds, John Todd—Pathology. B.S., 1930. Dwight, Illinois.

Rosenthal, Sol Roy—Pathology. B.S., 1925, M.D., 1929. M.S., 1931. Chicago.

Schlegel, Karl William—Pathology. B.S., 1929. Chicago.

Schwartz, Arthur Harold—Pathology. B.S., 1930. Chicago.

Shaw, Maurice Maceo—Pathology. A.B., 1927, B.S., 1929. Chicago.

Shropshear, George—Bacteriology. B.S., 1929, M.D., 1931. Chicago.

Skemp, Harriet Iler—Obstetrics. B.S., University of Dubuque, 1924, M.D., University of Iowa, 1926. Geneva, Illinois.

Spivack, Mary—Pathology. M.D., Novorossisky University, 1920. Chicago.

Taylor, Marion Merdith—Surgery. B.S., 1929. Noble, Illinois.

Teeters, Esther Florence—Physiological Chemistry. A.B., 1925. Auburn, Indiana.

Templeton, Lawrence—Pharmacology. B.S., Oregon State Agricultural College, 1927. Chicago.

Terry, Ralph Eugene—Physiological Chemistry. Ph.G., 1920, B.S., M.S., University of Southern California College of Pharmacy, 1925, 1926. Oak Park, Illinois.

Thacker, Edgar Abney—Physiology. A.B., 1927, B.S., 1930. Danville, Illinois.

Webb, Richard Lockwood—Anatomy. A.B., 1924, M.S., 1925. Farmer City, Illinois.

Welker, Dorothy Hutchinson—Physiological Chemistry. A.B., 1927, B.S., 1929. Oak Park, Illinois.

SESSION 1930-31

Aaronson, Abraham Louis—Physiological Chemistry. B.S., 1926, M.D., 1929. Chicago.

Appelman, Benjamin—Pathology. B.S., 1930. Chicago.

Aries, Leon Judah—Pathology. B.S., 1929. Chicago.

Baer, Walter Hilmar—Surgery. B.S., 1929. Peoria, Illinois.

Becker, Harry Gregory—Surgery. B.S., 1930. Kampsville, Illinois.

Bell, Harold William—Orthodontia. D.D.S., University of Southern California Dental College, 1926. Chicago.

Belous, Leon Philip—Obstetrics and Gynecology. M.D., 1928. Chicago.

Berger, Louis—Anatomy. B.S., 1929. Chicago.

Bernell, Edward Charles—Pathology. B.S., 1930. Chicago.

Bernstein, Harold—Pharmacology. B.S., 1931. Chicago.

Blayney, James Roy—Pathology. D.D.S., Northwestern University, 1913, B.S., Lewis Institute, 1924, M.S., University of Chicago, 1928. Chicago.

Blickensdorfer, Philip—Pharmacology. B.S., State College, 1927, M.S., University of Minnesota, 1929. Chicago.

Boonstra, Frank Maurice—Surgery. A.B., University of Michigan, 1923, M.D., Rush Medical College, 1928. Zeeland, Michigan.

Briggs, Frances Agnes—Physiological Chemistry. B.S., 1926, M.S., Tulane University of Louisiana, 1928. Metamora, Illinois.

Brody, Louis J.—Bacteriology. M.D., B.S., Loyola Medical School, 1924, 1926. Chicago.

Brown, Ralph R.—Psychology. A.B., Ohio University, 1931. Cleveland, Ohio.

Carow, Theodore Moffett—Surgery. B.S., 1929. Chicago.

Clark, Rebecca Isabelle—Physiological Chemistry. B.S., 1927. Chicago.

Cohen, Bernard M.—Pathology. B.S., 1929. Chicago.

Cornbleet, Theodore—Dermatology. B.S., M.D., St. Louis University Medical School, 1921, 1923. Chicago.

Crosley, Raymond Wardner—Physiological Chemistry. B.A., Duke College, 1926. Chicago.

Dillman, Lucius Matlock—Physiology. B.S., 1931. Elmhurst, Illinois.

Dine, William Clay, Jr.—Pharmacology. B.S., 1930. Maroa, Illinois.

Downs, William Benham—Orthodontia. D.D.S., 1926. Batavia, Illinois.

Dreyer, Irving—Pathology. B. S., 1928. Chicago.

Dyrenforth, Lucien Young—B.S., University of Florida, 1916, M.D., Emory University, 1930. Jacksonville, Florida.

Emig, Herbert Martin—Pharmacology. Ph.G., B.S., Philadelphia College of Pharmacy and Science, 1919, 1924. Oak Park, Illinois.

Endres, Fred Carl—Bacteriology. B.S., 1930. Peoria, Illinois.

Erich, John—Oral Pathology. B.S., 1929. Chicago.

Ewing, Paul Leon—Pharmacology. B.A., Milton College, 1926, M.S., 1929. Oak Park, Illinois.

Feinerman, Albert Hymen—Physiology. B.S., 1930. Chicago.

Firth, John Oscar—Pharmacology. B.S., Monmouth College, 1921. Chicago.

Fisch, Max Eleazer—Anatomy. B.S., 1917, M.S., M.D., 1919. Chicago.

Fisher, Catherine Virginia—Bacteriology. B.A., University of Wisconsin, 1929. Valparaiso, Indiana.

Fishman, Louis Zolo—Anatomy. B.S., 1925, M.D., 1927. Chicago.

Francis, Margie Elizabeth—Psychology. A.B., 1930.

Gant, Virgil Arnett—Pharmacology. B.S., 1921. Chicago.
Goldstein, Abraham—Orthodontia. D.D.S., 1924. Chicago.
Greenberg, Leo Jack—Physiology. Chicago.
Gulbrandsen, Lars Freman—Bacteriology. Chicago.
Gustafson, Carl Julius—Bacteriology. B.S., 1931. Chicago.
Hark, Florence White—Obstetrics. B.S., M.D., University of Iowa, 1919, 1922. Chicago.
Harvey, Cecil Claude—Physiological Chemistry. B.S., University of Louisville, 1929, M.S., University of Chicago, 1931. Jeffersonville, Indiana.
Hecht, Rudolph—Pathology, B.S., 1930. Chicago.
Herndon, Zelma Lamb—Physiological Chemistry. B.S., 1929. Chicago.
Highman, Benjamin—Pathology. B.S., 1930. Chicago.
Hine, Maynard Kiplinger—Therapeutics. D.D.S., 1930. Chicago.
Hood, Marion—Medicine. B.A., Carroll College, 1918, M.A., University of Wisconsin, 1928. Rapid City, South Dakota.
Holub, John James—Orthodontia. D.D.S., 1930. Chicago.
Holzman, Louis Lionel—Oral Surgery. D.D.S., 1930. Chicago.
Hurwitz, Paul—Pathology. B.S., 1930. Chicago.
Jacobson, Earl Grant—Oral Surgery, D.D.S., 1929. Chicago.
Jaffray, David Smeaton—Pharmacology. B.S., 1930. Chicago.
Jentzsch, Richard Alvin—Orthodontia. D.D.S., 1926, M.S., 1931. Oak Park, Illinois.
Jertson, Leila Magnusson—Bacteriology. B.S., University of Minnesota, 1927. Chicago.
Joannides, Minas—Surgery. M.D., Washington University, 1921, M.S., 1928. Chicago.
Johnson, Clarence Albert—Physiological Chemistry. B.S., M.S., University of Chicago, 1925, 1928. Oak Park, Illinois.
Johnson, Richard Paul—Surgery. B.S., 1929. Chicago.
Johnson, Titus M.—Bacteriology. B.A., Wheaton College, 1928, B.S., Northwestern University, 1929. Chicago.
Kaplan, Hyman Joseph—Bacteriology. A.B., 1927, B.S., 1929. Champaign, Illinois.
Kaplan, Morris Aaron—Physiological Chemistry. B.S., 1929. Chicago.
Kaplan, Samuel—Obstetrics and Gynecology. B.S., 1922, M.D., 1925. Chicago.
Karn, Robert Boyle—Bacteriology. B.S., Carson and Newman College, 1931. Belle River, Illinois.
Kaufman, Irving—Bacteriology. B.S., 1929. Chicago.
Kesel, Robert George—Bacteriology. D.D.S., 1926. Aurora, Illinois.
King, Ernest Quong—Physiology. A.B., University of Utah, 1926, M.D., 1931. Salt Lake City, Utah.
Klein, Reuben Isadore—Physiological Chemistry. A.B., 1927, B.S., 1929. Chicago.
Kobak, Alfred Julian—Obstetrics. B.S., 1921, M.D., 1925, M.S., 1929. Chicago.
Kominik, Emanuel A.—Bacteriology. B.S., 1930. Chicago.
Korando, Elladeane—Bacteriology. B.E., Southern Illinois Normal University, 1926. Raddle, Illinois.
Koransky, David Sydney—Bio-Physics. B.S., 1931. Chicago.
Kruglick, Jack Sanford—Pharmacology. B.S., 1931. Chicago.
Lambert, Claude Needham—Surgery. A.B., University of Utah, 1924, M.D., University of Chicago, 1928. Chicago.
Lane, Paul Gustave—Bacteriology. D.D.S., University of Minnesota, 1923. Chicago.

Levin, Sara—Anatomy. A.B., 1927. Chicago.

Levine, Arthur Harry—Physiological Chemistry. B.S., 1930. Chicago.

Levinson, Samuel Azor—Pathology. B.S., 1917, M.D., M.S., 1919. Chicago.

Lieboner, S. K. Eugenia—Physiological Chemistry. A.B., Rockford College, 1928. Chicago.

Lipow, Eugene G.—Physiology. Ph.G., 1926, B.S., 1929. Chicago.

MacFate, Robert Preston—Physiological Chemistry. Ch. E., Lehigh University, 1925, M.S., 1929. Chicago.

Malachowski, Florence Victoria—Bacteriology. B.S., D.D.S., Northwestern University Dental School, 1930. Chicago.

Maryan, Harry Oliver—Obstetrics. S.B., 1921, M.D., 1922. Chicago.

Mauzey, Armand Jean—Surgery. B.S., 1931. Findlay, Illinois.

McDaniels, Herbert Eli—Bacteriology. B.S., University of Chicago, 1925. Chicago.

McQueen, Max Boyd—Pharmacology. B.S., 1930. Hutsonville, Illinois.

Meyer, Esther—Bacteriology. Ph.G., 1924, B.S., University of Michigan, 1930. Chicago.

Meyer, Harold Irving—Surgery. A.B., 1919, M.D., Rush Medical College, 1923. Chicago.

Miller, Donald Sidney—Physiology. B.S., 1930. Chicago.

Miller, Howard Russel—Physiological Chemistry. A.B., 1929, B.S., 1931. Chicago.

Miller, William Edward—Bacteriology. A.B., Fisk University, 1923, B.S., 1928. Chicago.

Milles, George—Pathology. Ph.G., 1921, B.S., 1923, M.D., 1929. Chicago.

Milliken, Margaret Eugenie—Physiological Chemistry. A.B., Colorado College, 1926. Chicago.

Montgomery, Burtis Edgar—Bacteriology. B.S., McKendree College, 1922, B.S., M.S., 1930. Chicago.

Morrison, Sherman William—Pharmacology. Ph.G., Ph.C., University of Iowa, 1918, 1921, B.S., South Dakota State College, 1924, M.S., University of Iowa, 1927. Oak Park, Illinois.

Myer, Ernest—Orthodontia. D.D.S., 1929. M.S., 1931. Chicago.

Naftzger, Robert Earl—Orthodontia. D.D.S., 1924, M.S., 1931. Chicago.

Nedzel, Alexander John—Bacteriology. Diploma of Physician, New Russian Imperial University, 1913. Elmwood Park, Illinois.

Nelson, Tell—Medicine. S.B., University of Chicago, 1931, M.D., Rush Medical College, 1924. Chicago.

Orloff, Morris Phillip—Physiological Chemistry. B.S., 1930. Chicago.

Powell, Frank Elizabeth—Bacteriology. A.B., 1929. Canton, Illinois.

Radner, David—Bio-Physics. B.S., 1931. Chicago.

Ragins, Benjamin Alex—Pathology. B.S., 1929, M.S., 1931. Chicago.

Rappaport, Ben Zion—Pathology. B.S., 1920, M.D., 1923. Chicago.

Reynolds, John Todd—Pathology. B.S., 1930. Dwight, Illinois.

Rheingold, Joseph Cyrus—Psychiatry. B.S., 1927, M.D., 1930, M.S., 1930. Chicago.

Rome, Sol—Physiological Chemistry. B.S., 1931. Chicago.

Ronstrom, George—Anatomy. B.S., 1929. Kewanee, Illinois.

Rosenthal, Sol Roy—Pathology. B.S., 1925, M.D., 1929, M.S., 1931. Chicago.

Sanderson, Helen E.—Psychology. B.A., Smith College, 1930. Chicago.

Schlegel, Karl William—Pathology. B.S., 1929. Chicago.

Schwartz, Arthur Harold—Pathology. B.S., 1930. Chicago.
Shapiro, Zelda Harriet—Psychology. Ph.B., University of Chicago, 1930. Chicago.
Shaw, Maurice Maceo—Pathology. A.B., 1927, B.S., 1929. Chicago.
Shropshear, George—Bacteriology. B.S., 1929, M.D., 1931. Chicago.
Shuger, Michael Hersheal—Bacteriology. B.S., 1931. Chicago.
Silverstone, Eugene Henry—Anatomy. B.S., Ph.C., University of Washington, 1924. Chicago.
Simons, Joseph—Bacteriology. B.S., 1929. Chicago.
Singer, Charlotte H.—Bacteriology. B.S., M.S., 1929. Chicago.
Skemp, Harriet Iler—Obstetrics, B.S., University of Dubuque, 1924, M.D., University of Iowa, 1926. Geneva, Illinois.
Sommer, Conrad Samuel—Bacteriology. B.S., 1929. Chicago.
Spiesman, Irvin Gabriel—Bacteriology. B.S., 1919, M.D., 1922. Oak Park, Illinois.
Spivack, Mary—Pathology. M.D., Novorossisky University, 1920. Chicago.
Stagman, Joseph—Pathology. B.S., 1930. Chicago.
Steck, Isadore—Physiology. B.S., 1930. Chicago.
Sugar, Carl—Physiology. B.S., 1930. Chicago.
Summerville, Milton Joseph—Obstetrics and Gynecology. A.B., University of Kentucky, 1923, M.D., 1928. Oak Park, Illinois.
Taylor, Marion Meredith—Surgery. B.S., 1929. Noble, Illinois.
Teeters, Esther Florence—Physiological Chemistry. A.B., 1925. Auburn, Indiana.
Templeton, Lawrence—Pharmacology. B.S., Oregon State Agricultural College, 1927. Oak Park, Illinois.
Terry, Ralph Eugene—Physiological Chemistry. Ph.G., 1920, B.S., M.S., University of Southern California College of Pharmacy, 1925, 1926. Oak Park, Illinois.
Thacker, Edgar Abney—Physiology. A.B., 1927, B.S., 1930. Danville, Illinois.
Webb, Richard Lockwood—Anatomy. A.B., 1924, M.S., 1925. Farmer City, Illinois.
Welker, Dorothy Hutchinson—Physiological Chemistry. A.B., 1927, B.S., 1929. Oak Park, Illinois.
Welty, Jack Worthington—Pharmacology. B.S., 1931. Chicago.
Werch, Solomon Carl—Physiological Chemistry. Chicago.
Wilkinson, Lynn Carter—Orthodontia. D.D.S., 1930. Chicago.

DEGREES CONFERRED

Degree of Master of Arts

Conferred June 13, 1931

IN JUVENILE BEHAVIOR

Minna Elizabeth Emch, A.B., B.S., M.D., 1924, 1926, 1929.

IN PHYSIOLOGY

Ernest Quong King, A.B., University of Utah, 1926, M.D., 1931.

Degree of Master of Science

Conferred June 13, 1931

IN BACTERIOLOGY

Louis J. Brody, M.D., B.S., Loyola University, School of Medicine, 1924, 1925.
Hyman Joseph Kaplan, A.B., B.S., 1927, 1929.
Irving Kaufman, B.S., 1929.
Robert George Kesel, D.D.S., 1926.
William Edward Miller, B.A., Fisk University, 1923, B.S., 1928.
Alexander John Nedzel, M.D., Imperial New Russian University, 1913.
Joseph Simons, B.S., 1929.
Conrad Samuel Sommer, B.S., 1929.

IN DERMATOLOGY

Board of Trustee Action February 5, 1931

Theodore Cornbleet, B.S., M.D., St. Louis University, 1921, 1923.

IN OBSTETRICS AND GYNECOLOGY

Samuel Kaplan, B.S., M.D., 1922, 1925.
Harry Oliver Maryan, B.S., M.D., 1921, 1922.
Harriet Iler Skemp, B.S., University of Dubuque, 1924, M.D., University of Iowa, 1926.

IN ORTHODONTIA

Board of Trustee Action February 5, 1931

William Benham Downs, D.D.S., 1926.
Richard Alvin Jentzsch, D.D.S., 1926.
Ernest Myer, D.D.S., 1929.
Robert Earl Naftzger, D.D.S., Indiana University, 1924.

IN PATHOLOGY

Leon Judah Aries, B.S., 1929.
Bernard M. Cohen, B.S., 1929.
Irving Dreyer, B.S., 1928.
Lucien Young Dyrenforth, B.S., University of Florida, 1916, M.D., Emory University, 1930.
Mary Spivack, M.D., Novorossisky University, 1920.

Board of Trustee Action February 5, 1931

Alex Benjamin Ragins, B.S., 1929.
Sol Roy Rosenthal, B.S., 1925, M.D., 1928.

IN PHARMACOLOGY

Herbert Martin Emig, B.S., Philadelphia College of Pharmacy, 1924.

Board of Trustee Action February 5, 1931

Robert Lelon Ladd, A.B., Park College, 1920, M.D., Rush Medical College, 1926.

IN PHYSIOLOGICAL CHEMISTRY

Abe Louis Aaronson, B.S., M.D., 1926, 1929.

Morris Aaron Kaplan, B.S., 1929.

Dorothy Hutchinson Welker, A.B., B.S., 1927, 1929.

Board of Trustee Action February 5, 1931

Reuben Isadore Klein, A.B., B.S., 1927, 1929.

IN SURGERY

Marion Meredith Taylor, B.E., Southern Illinois Normal University, 1925, B.S., 1929.

Board of Trustee Action February 5, 1931

Richard Milton Davison, B.S., M.B., M.D., University of Minnesota, 1926, 1928, 1929.

Degree of Doctor of Philosophy

Conferred June 13, 1931

IN ANATOMY

Richard Lockwood Webb, A.B., M.S., 1924, 1925.
A Study of Peritoneal Reactions with Especial Reference to Mast Cells.

IN PHYSIOLOGICAL CHEMISTRY

Clarence Albert Johnson, S.B., S.M., University of Chicago, 1925, 1927.
A Study of the Proteins of Ragweed Pollens.

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The Library contains the chief standard text-books and works of reference, various monographs, collections of separates, and files of the best medical journals. By means of interlibrary loans practically any desired work may be obtained. The library will arrange for photostating, translating and abstracting when desired. The Library is open from 8:30 A.M. to 5 P.M. on all days except Sundays and legal holidays.

Journals and reference works may be taken for brief periods on application to the Librarian, provided there is no immediate demand for them in the building. The following is a list of the more important sets of periodicals in the library; those now being published are regularly received. Those marked (*) have complete or approximately complete files already on the shelves. Other files are being added as rapidly as possible:

*_Abstracts of Bacteriology_
*_Acta Ophthalmologica_
*_Acta Oto-laryngologica_
*_Acta Psychiatrica et Neurologica_
*_Acta Radiologica_
*_Acta Scholae Medicinalis Universitatis Imperialis Kiota_
Aichi Journal of Experimental Medicine
*_Albany Medical Annals_
Alienist and Neurologist
American Anthropologist
*_American Dental Surgeon_
*_American Heart Journal_
*_American Journal of Anatomy_
*_American Journal of Clinical Pathology_
*_American Journal of Diseases of Children_
*_American Journal of Electrotherapeutics and Radiology_
*_American Journal of Hygiene_
*_American Journal of Hygiene, Monograph Series_
*_American Journal of Insanity_
*_American Journal of the Medical Sciences_
American Journal of Nursing
*_American Journal of Obstetrics and Diseases of Women and Children_
*_American Journal of Obstetrics and Gynecology_
*_American Journal of Ophthalmology_
*_American Journal of Orthopedic Surgery_
*_American Journal of Pathology_
*_American Journal of Physical Anthropology_
*_American Journal of Physical Therapy_
*_American Journal of Physiology_
*_American Journal of Police Science_
*_American Journal of Psychiatry_—new series
*_American Journal of Public Health_
*_American Journal of Roentgenology_
American Journal of Surgery
*_American Journal of Syphilis_
*_American Journal of Tropical Medicine_
*_American Naturalist_
*_American Review of Tuberculosis_
*_Anatomical Record_
*_Anatomische Hefte_
*_Anatomischer Anzeiger_
*_Anatomischer Bericht_
*_The Angle Orthodontist_
*_Annales d'Anatomie Pathologique_
*_Annales de Chirurgie et Orthopedie_
*_Annales de Dermatologie et de Syphilographie_
*_Annales de Gynécologie et d'Obstétrique_
*_Annales d' Hygiene Publique_
*_Annales de l'Institut Pasteur_
*_Annals of Clinical Medicine_
*_Annals of Eugenics_
*_Annals of Internal Medicine_
*_Annals of Medical History_
Ophthalmology
*_Annals of Opthalmology_

*Annals of Otology, Rhinology and Laryngology
*Annals of Surgery
*Annals of Tropical Medicine and Parasitology
*L'Année Biologique
Arbeiten aus dem anatomischen Institut, Tokio
*Arbeiten aus dem anatomischen Institut der Universatität zu Sendai
*Arbeiten a.d. Gebiete d. pathologischen Anatomie u. Bacteriologie aus der pathologisch-anatomischen Institut zu Tübingen
*Arbeiten aus dem Staatsinstitut für Experimentelle Therapie und dem Georg Speyer-Hause zu Frankfurt a. M.
*Arbeiten a.d. neurologischen Institut an der Wiener Universität
Arbeiten des pharmakologischen Institutes zu Dorpat
*Arbeiten des pharmazeutischen Institutes der Universität Berlin
*Archiv für Anatomie und Entwickelungsgeschichte
*Archiv für Anatomie und Physiologie (Physiologische Abteilung)
*Archiv für Anthropologie
*Archiv für Augenheilkunde
*Archiv für Dermatologie und Syphilis
*Archiv für Entwicklungsmechanik der Organismen
*Archiv für experimentelle Pathologie und Pharmakologie
*Archiv für die gesammte Physiologie (Pflüger)
*Archiv für Geschichte der Medizin
*Archiv f. d. Geschichte d. Naturwissenscaften und d. Technik
*Archiv fur Gewerbepathologie und Gewerbehygiene
*Archiv für Gynaekologie
*Archiv für Hygiene
*Archiv für Kinderheilkunde
*Archiv für klinische Chirurgie
*Archiv für kriminal Anthropologie und Kriminalistik
*Archiv für Laryngologie und Rhinologie
*Archiv für mikroskopische Anatomie
*Archiv für mikroskopische Anatomie und Entwicklungsmechanik
Archiv für Ohrenheilkunde
*Archiv für Ohren-Nasen-und-Kehlkopfheilkunde
*Archiv für Ophthalmologie (Graefe)
*Archiv für pathologische Anatomie und Physiologie (Virchow)
*Archiv für Physiologie
*Archiv für Protistenkunde
*Archiv für Psychiatrie und Nervenkrankheiten
*Archiv für Rassen und Gesellschaftsbiologie
*Archiv für Schiffs-und Tropen-Hygiene
*Archiv für soziale Hygiene and Demographie
*Archiv für Verdauungskrankheiten
*Archiv für Zellforschung
*Archives d'Anatomie, d'Histologie et d'Embryologie
*Archives d' Anatomie microscopique
*Archives d' Anthropologie criminelle, de Médicine legale
*Archives de Biologie
*Archives de Médicine experimentale et d'Anatomie pathologique
Archives de Médicine des Enfants
*Archives de Neurologie (Archives internationales de Neurologie)
*Archives de Physiologie, normal et pathologique
*Archives de Tocologie des Maladies des Femmes
*Archives des Maladies du Coeur
*Archives Générales de Médicine
*Archives internationales de Pharmacodynamie et de Therapie
*Archives Neerlandaises de Physiologie
*Archives of Dermatology
*Archives of Dermatology and Syphilology
*Archives of Internal Medicine
*Archives of Neurology and Psychiatry
*Archives of Occupational Therapy
*Archives of Ophthalmology
*Archives of Otolargyngology
*Archives of Pathology and Laboratory Medicine

*Archives of Physical Therapy, X-Ray, Radium
*Archives of Radiology and Electrotherapy
Archives of the Roentgen Ray
*Archives of Surgery
*Archivio di Anthropologia Criminale Psichiatria
*Archivio Italiano di Anatomia e di Embriologia
*Archivios Argentinos de Neurologie
*The Asclepiad
*Atlantic Medical Journal
*Beiträge zur chemischen Physiologie und Pathologie—Hofmeister's
*Beiträge zur Geburtshilfe und Gynaekologie
*Beiträge zur gerichtliche Medizin
*Beiträge zur klinischen Chirurgie (Brun's)
*Beiträge zur Klinik der Tuberkulose
*Beiträge zur pathologischen Anatomie und zur allgemeinen Pathologie (Ziegler)
*Berichte der Deutschen chemischen Gesellschaft
*Berichte über die gesamte Gynäkolgie und Geburtshilfe
*Berichte über die gesamte Physiologie und experimentelle Pharmakologie
*Berichte über die Versammlungen der ophthalmologischen Gesellschaft
*Berliner klinische Wochenschrift
*Bibliographia Physiologica
*Bibliographia Zoologica
*Bibliographie Anatomique
*Biochemical Bulletin
*Biochemical Journal
*Biochemische Zeitschrift
*Biochemisches Centralblatt
*Biologia Generalis
*Biologie und Pathologie des Weibes
*Biological Abstracts
*Biological Bulletin
*Biologisches Centralblatt
*Biometrika
*Biophysikalisches Zentralblatt
*Boston Medical and Surgical Journal
*Botanical Gazette
*Brain
*British Dental Journal
*British Gynecological Journal
*British Journal of Dental Science
*British Journal of Dermatology
*British Journal of Children's Diseases
*British Journal of Experimental Biology
*British Journal of Experimental Pathology
*British Journal of Ophthalmology
*British Journal of Psychology
*British Journal of Radiology
*British Journal of Surgery
British Journal of Tuberculosis
*British Medical Journal
*Bulletin de l'Académie de Médicine
*Bulletin de l'Association Française pour l'étude du cancer
*Bulletin de l'Institut Pasteur
*Bulletin de la Société Française de Dermatologie et de Syphilographie
*Bulletin de la Société d'Obstétrique et de Gynécologie de Paris
*Bulletin de la Société de Patholgie exotique
Bulletin d. l. Société d. Sciences médicales et biologiques
*Bulletin of the Association of American Medical Colleges
*Bulletin of the National Research Council
*Bulletin of the Society of Medical History of Chicago
*Bulletins et Mémoires de la Société Anatomique de Paris
Bulletins et Mémoires de la Société de Chirurgie de Paris
*Bulletins et Mémoires de la Société médicales des Hôpitaux de Paris
*California and Western Journal of Medicine
*Canadian Medical Association Journal
*La Cellule
*Centralblatt für allegemeine Patholgie und pathologische Anatomie
*Centralblatt für klinische Medizin
*Centralblatt für die Krankheiten der Harn und Sexualorgane
*Centralblatt für die medizinischen Wissenschaften
*Centralblatt für Nervenheilkunde und Psychiatrie

Centralblatt für praktische Augenheilkunde
**Charité-Annalen*
**Chemical Abstracts*
**Chemical Review*
**Chemisches Centralblatt*
Chicago, Bulletin Municipal Tuberculosis Sanitarium
Chicago Society of Medical History, Bulletin.
**Comptes rendus hebdomadaires des Séances de l' Académie des sciences*
**Comptes Rendus des Séances de la Société de Biologie*
**Cornell University Medical Bulletin*
**Correspondenzblatt für Schweizer Aerzte*
**Dental Cosmos*
**Dental Items of Interest*
Dental Record
**Dermatologische Wochenschrift*
**Dermatologische Zeitschrift*
**Deutsche medizinische Wochenschrift*
**Deutsche Monatsschrift für Zahnheilkunde*
**Deutsche Zeitschrift für Chirurgie*
Deutsche Zeitschrift für gesamte gerichtliche Medizin
**Deutsche Zeitshcrift für Nervenheilkunde*
**Deutsches Archiv für klinische Medizin*
**Dietetic and Hygiene Gazette*
**Dominion Dental Journal*
**Dublin Journal of Medical Sciences*
**Edinburgh Medical and Surgical Journal*
**L'Encephale*
**L'Encephale (Journal des Maladies mentales et nerveuses)*
**Endocrinology*
**Ergebnisse der allgemeinen Pathologie und pathologischen Anatomie*
**Ergebnisse der Anatomie und Entwicklungsgeschichte*
**Ergebnisse der Geburtshilfe und praktische Gynäkologie*
**Ergebnisse der inneren Medizin und Kinderheilkunde*
**Ergebnisse der medizinischen Strahlenforschung*
**Ergebnisse der Physiologie*
Eugenics Review
**Fermentforschung*
**Folia Anatomica Japonica*
**Folia Haematologica. Originale*
**Folia Haematologica. Referate*
**Folia Neurobiologica*
**Folia Neurologica*
**Folia Serologica*
**Folia Urologica*
**Fortschritte auf dem Gebiete der Röntgenstrahlen*
Fortschritte der Medizin
**Fortschritte der Zahnheilkunde*
**Frankfurter Zeitschrift für Pathologie*
**Gazette Hebdomadaire de Médicine*
**La Gynécologie*
**Gynécologie et Obstétrique*
**Haematologica-Archivio Italiano di Ematologica*
**Heart*
**Hygeia (Chicago)*
**Hygiea (Stockholm)*
L'Hygiene Mentale
**Illinois Medical Journal*
**Illinois State Laboratory of Natural History-Bulletin*
**Index Catalogue of the Surgeon-General's Office*
**Index Medicus*
**Indian Journal of Medical Research*
L'Informateur des Alienistes et Neurologistes
**International Association of Medical Museums Bulletin*
**International Clinics*
International Journal of Orthodontia
**International Journal of Psychoanalysis*
**International Journal of Surgery*
**International Medical Digest*
**International Surgical Digest*
**Internationale Monatsschrift für Anatomie und Physiologie*
**Internationales Centralblatt für Harn und Sexualorgane*
**Irish Journal of Medical Science*
**Jahrbuch für Kinderheilkunde*
**Jahrbuch der Psychoanalyse*

*Jahresbericht über die Ergebnisse der Immunitätsforschung
*Jahresbericht über die Fortschritte der Anatomie und Entwickelungsgeschichte
*Jahresbericht über die Fortschritte und Leistungen auf dem Gebiete der Hygiene
*Jahresbericht über die Fortschritte der Anatomie und Physiologie
*Jahresbericht über die Fortschritte auf Gebiete der Chirurgie
*Jahresbericht über die Fortschritte auf dem Gebiete der Geburtshilfe und Gynäkolgie
*Jahresbericht über die Fortschritte der Tier-Chemie (Maly)
*Jahresbericht über die Fortschritte der Anatomie und Physiologie (Waldeyer-Posner)
*Jahresbericht über die Leistungen und Fortschritte auf dem Gebiete der Neurologie und Psychiatrie
*Jahresbericht über die Leistungen und Fortschritte im Gebiete der Ophthalmologie
*Jahresbericht über die Fortschritte in der Lehre von den pathogenen Mikroorganismen, umfassend Bakterien, Pilze und Protozoen
*Jahresbericht über die Leistungen und Fortschritte in der gesamten Medizin (Constatt) (Virchow-Hirsch)
*Jahresbericht uber die gesamte Tuberkuloseforschung und ihre Grenzgebiete
*Jahresbericht über Haut- und Geschlechtskrankheiten
*Jahresbericht der Ophthalmologie
*Jahreskurse für ärtzliche Fortbildung
*Janus
*Japan Medical Journal
Japanese Journal of Experimental Medicine
*Jenaische Zeitschrift für Naturwissenschaft
*Johns Hopkins Hospital. Bulletin
*Johns Hopkins Hospital. Reports
*Journal de Chirurgie
Journal de Physiologie et de Pathologie générale
*Journal des Maladies Syphilitiques
*Journal d'Urologie
*Journal of Abnormal Psychology
Journal of Advanced Therapeutics
*Journal of Agricultural Research
*Journal of Allergy
*Journal of American Chemical Society
*Journal of the American Dental Association
*Journal of American Medical Association
*Journal of Anatomy
*Journal of Anatomy and Physiology
*Journal of Animal Behavior
*Journal of Association of American Medical Colleges
*Journal of Association of Military Surgeons
*Journal of Association of Official Agricultural Chemists
*Journal of Bacteriology
*Journal of Biochemistry
*Journal of Biological Chemistry
*Journal of Bone and Joint Surgery
*Journal of Cancer Research
*Journal of Clinical Investigation
*Journal of Comparative Neurology
*Journal of Comparative Psychology
*Journal of Cutaneous Diseases
*Journal of Dental Research
*Journal of Experimental Medicine
*Journal of Experimental Zoology
*Journal of General Physiology
*Journal of Genetics
*Journal of Heredity
*Journal of Hygiene
*Journal of Immunology
*Journal of Indiana State Medical Society
*Journal of Industrial Hygiene
*Journal of Infectious Diseases
Journal of Laboratory and Clinical Medicine
Journal of Laryngology, Rhinology and Otology
*Journal of Medical Research
*Journal of Mental Science
*Journal of Metabolic Research

*Journal of Missouri State Medical Society

*Journal of Morphology

*Journal of Mycology

*Journal of Nervous and Mental Diseases

*Journal of Neurology and Psychopathology

*Journal of Obstetrics and Gynecology of the British Empire

Journal of Orthopaedic Surgery

*Journal of Parasitology

*Journal of Pathology and Bacteriology

*Journal of Pharmacology and Experimental Therapeutics

*Journal of Physiology

*Journal of Preventive Medicine

*Journal of Royal Microscopical Society

*Journal of State Medicine

*Journal of Tropical Medicine and Hygiene

*Journal of Urology

*Kitasato Archives of Experimental Medicine

*Klinische Monatsblätter för Augenheilkunde

*Klinische Wochenschrift

*Kolloid-Zeitschrift

*Kongresszentralblatt für die gesammte innere Medizin und ihre Grenzgebiete

*Krankheitsforschung

*Lancet

*Laryngoscope

*League of Nations, Publications pertaining to Public Health

*Liebig's Annalen

*Lyon Médical

*Madrid Laboratories de Investigationes Trabajos, Ramon y Cajahl

*Mayo Clinics, collected Papers

Mayo Clinics, Proceedings of Staff Meetings

*Medical Clinics of Chicago

*Medical Clinics of North America

*Medical Journal and Record

Medical Journal of Australia

Medical Life

*Medical Record

*Medicine

*Medizinal-statistische Mitteilungen aus dem kaiserlichen Gesundheitsamte

*Medizinische Klink

*Mental Hygiene

*Military Surgeon

*Mind

*Mitteilungen über allgemeine Pathologie und pathologische Anatomie

*Mitteilungen aus den Grenzgebieten der Medizin und Chirurgie

*Mitteilungen aus der medizinischen Fakultät der kaiserlichen Universität zu Tokyo

Mitteilungen zur Geschichte der Medizin und Naturwissenschaften

*Modern Hospital

*Monatshefte för praktische Dermatologie

*Monatsschrift für Gerburtshülfe und Gynäkologie

*Monatsschrift für Kinderheilkunde Originale. Referate

*Monatsschrift för Ohrenheilkunde

*Morphologisches Jahrbuch

*Münchener medizinische Wochenschrift

National Research Council Bulletin

*Neurologisches Centralblatt

*La Névraxe

*New England Journal of Medicine and Surgery

*New Orleans Medical and Surgical Journal

*New York Academy of Medicine, Bulletin

*New York Lying-in Hospital-Bulletin

*New York Medical Journal

*New York Pathological Society. Proceedings

*New York State Journal of Medicine

*La Nourisson

*Nouvelle Icongraphie de la Salpêtriére

*Nouvelles Archives d'Obstétrique et de Gynécologie

*Obstetrical Journal of Great Britain and Ireland

*L'Obstétrique

**Occupational Therapy and Rehabilitation*
**Ophthalmic Record*
Ophthalmic Review
**Ophthalmic Year Book*
Pacific Dental Gazette
**Parasitology*
La Pediatria
**Pediatrics*
**Pennsylvania Medical Journal*
**Philippine Journal of Science*
Physical Therapeutics
**Physiological Abstracts*
**Physiological Review*
Picket-Thompson Research Laboratory, Annals
**Practitioner*
Prager medizinische Wochenschrift
**Praktische Ergebnisse der Geburtshilfe und Gynäkologie*
**La Presse Médicale*
**Proceedings of the Society for Experimental Biology and Medicine*
**Progressive Medicine*
**Psychobiology*
**Quarterly Cumulative Index to Current Medical Literature*
**Quarterly Journal of Experimental Physiology*
**Quarterly Journal of Medicine*
**Quarterly Journal of Microscopical Science*
**Quarterly Review of Biology*
**Radiology*
**Review of Neurology and Psychiatry*
**Revista Medica de Barcelona*
**Revue de Chirurgie*
**Revue Française de Dermatologie et de Vénéréologie*
**Revue de Gynaecologie*
**Revue de Médicine*
**Revue Internationale de la Croix-Rouge*
**Revue mensuelle des Maladies de l'Enfance*
**Revue Neurologique*
**Revue de Orthopedia*
**Revue des Sciences médicales*
Revue de Stomatologie
**Royal London Ophthalmic Hospital Reports*
**Royal Society of Medicine. Proceedings*
**Schmidt's Jahrbücher der in-und ausländischen gesamten Medizin*
**Schweizer Archiv für Neurologie und Psychiatrie*
**Schweizeriche medizinische Wochenschrift*
**Science*
**Scientific Monthly*
La Sémaine médicale
**Seuchenbekampfung*
**Skandinavisches Archiv für Physiologie*
**Southern Medical Journal*
**Strahlentherapie*
**Surgery, Gynecology and Obstetrics*
**Surgical Clinics of Chicago*
**Surgical Clinics of North America*
**Texas State Journal of Medicine*
**Therapeutic Gazette*
**Therapeutische Halbmonatshefte*
**Therapeutische Monatshefte*
Therapie der Gegenwart
**Tohoku Journal of Experimental Medicine*
Transactions of the:
  **American Academy of Ophthalmology and Oto-Laryngology*
  **American Association of Medical Milk Commissions*
  **American Association of Obstetricians, Gynecologists and Abdominal Surgeons*
  **American Child Hygiene Association*
  **American Climatological Association*
  **American Dental Association*
  **American Dermatological Association*
  **American Gastro-enterological Association*
  **American Gynecological Society*
  **American Institute of Dental Teachers*
  **American Laryngological Association*
  **American Laryngological, Rhinological and Otological Society*
  **American Medical Association*

- *American Medico-psychological Association
- *American Microscopical Society
- *American Neurological Association
- *American Ophthalmological Society
- *American Orthopedic Association
- *American Otological Society
- *American Pediatric Society
- *American Proctologic Society
- *American Surgical Association
- *American Urological Association
- *Association of American Medical Colleges
- *Association of American Physicians
- *Association of American Teachers of the Diseases of Children
- *Charaka Club
- *Chicago Institute of Medicine
- *Chicago Pathological Society
- *College of Physicians of Philadelphia
- *Congress of American Physicians and Surgeons
- Illinois State Medical Society
- *London Clinical Society
- *London Obstetrical Society
- *London Pathological Society
- *National Tuberculosis Association
- *New York Pathological Society
- *Odontological Society of Great Britain
- Ophthalmological Society of the United Kingdom
- *Royal Society of Medicine
- *Society for experimental biology and medicine
- U. S. Dept. of Agriculture—Experiment Station Record
- *United States Naval Medical Bulletin
- *United States Veterans Bureau, Medical Bulletin
- *Uppsala läkareförenings förhandlingar
- Urologischer Jahresbericht
- *Verhandlung der Anatomischen Gesellschaft
- *Verhandlungen des Congresses für innere Medizin
- *Verhandlungen der deutschen anatomischen Gesellschaft
- *Verhandlungen der deutschen Gessellschaft für Gynäkologie
- *Verhandlungen der deutschen pathologischen Gesellschaft
- *Viertel-Jahreschrift für gerichtliche Medizin
- Viertel-Jahresschrift für Zahnheilkunde
- *Wiener Archiv für innere Medizin
- *Wiener Klink
- Wiener Klinische Wochenschrift
- *Wiener medizinische Wochenschrift
- *Zeitschrift für allegemeine Physiologie
- *Zeitschrift für Anatomie und Entwicklungsgeschichte
- *Zeitschrift für angewandte Anatomie
- *Zeitschrift für Biologie
- *Zeitschrift für diätetische und physikalische Therapie
- *Zeitschrift für experimentelle Pathologie und Therapie
- *Zeitschrift für Fleisch-und-Milch Hygiene
- *Zeitschrift für Geburtshülfe und Gynäkologie
- *Zeitschrift für gesamte experimentelle Medizin
- *Zeitschrift für gesamte Neurologie und Psychiatrie. Originale. Referate
- *Zeitschrift für Hals, Nasen und Ohrenheilkunde
- *Zeitschrift für Hygiene und Infektionskrankheiten
- *Zeitschrift für Immunitätsforschung und experimentelle Therapie. Originale. Referate
- *Zeitschrift für induktive Abstammungs- und Vererbungslehre
- *Zeitschrift für Kinderheilkunde Originale. Referate
- *Zeitschrift für klinsche Medizin
- *Zeitschrift für Konstitutionslehre
- *Zeitschrift für Krebsforschung
- *Zeitschrift für mikroskopisch-anatomische Forschung
- *Zeitschrift für Morphologie und Anthropologie
- *Zeitschrift für orthopädische Chirurgie
- *Zeitschrift für die Ophthalmologie

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Published four times a year in the months of May, June, July and August, at Chicago, Ill.

VOL. XVIII AUGUST, 1932 No. 3

(Entered as second-class matter October 16, 1914, at the post office at Chicago, Illinois, under the Act of Congress of August 24, 1912.)

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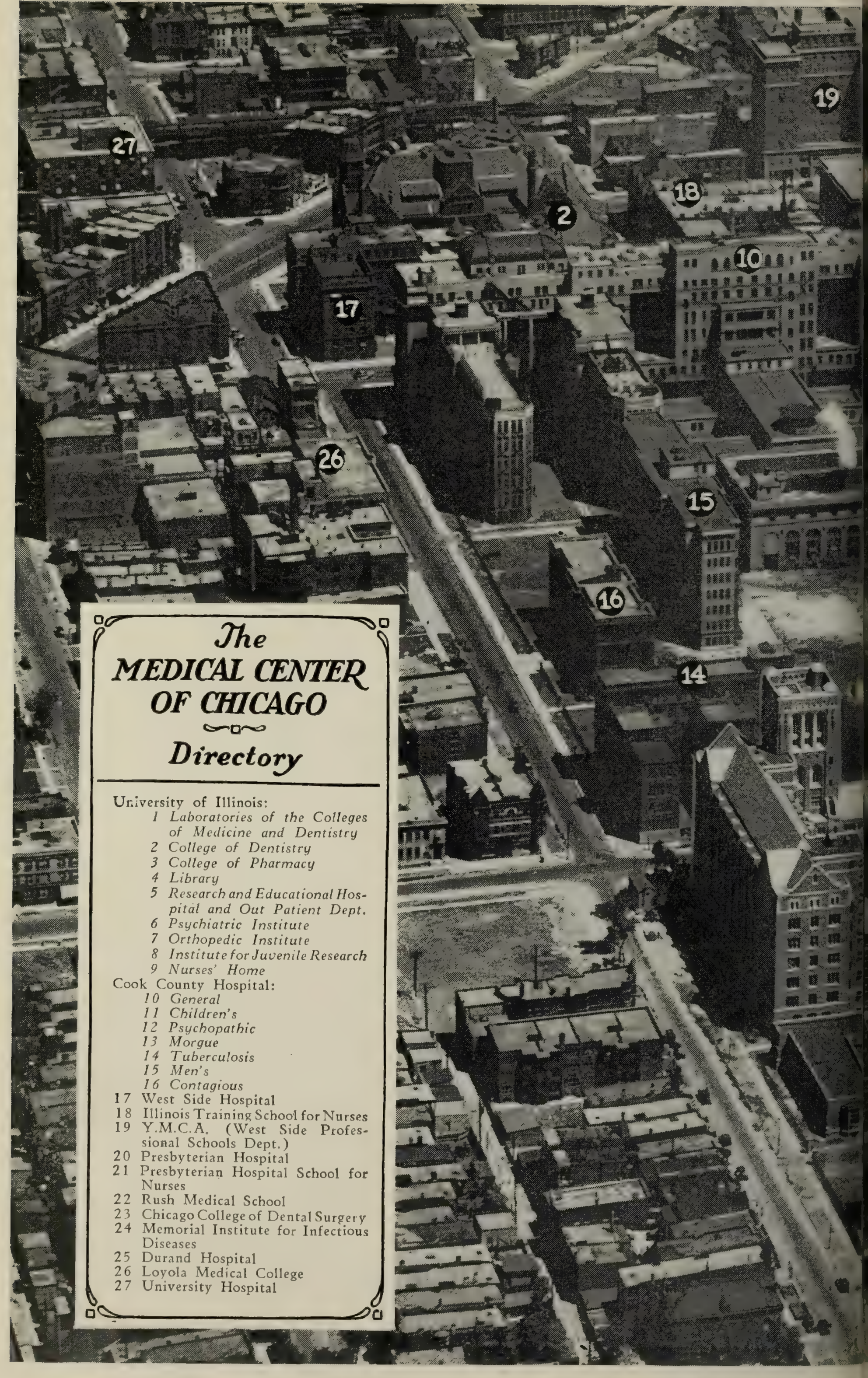

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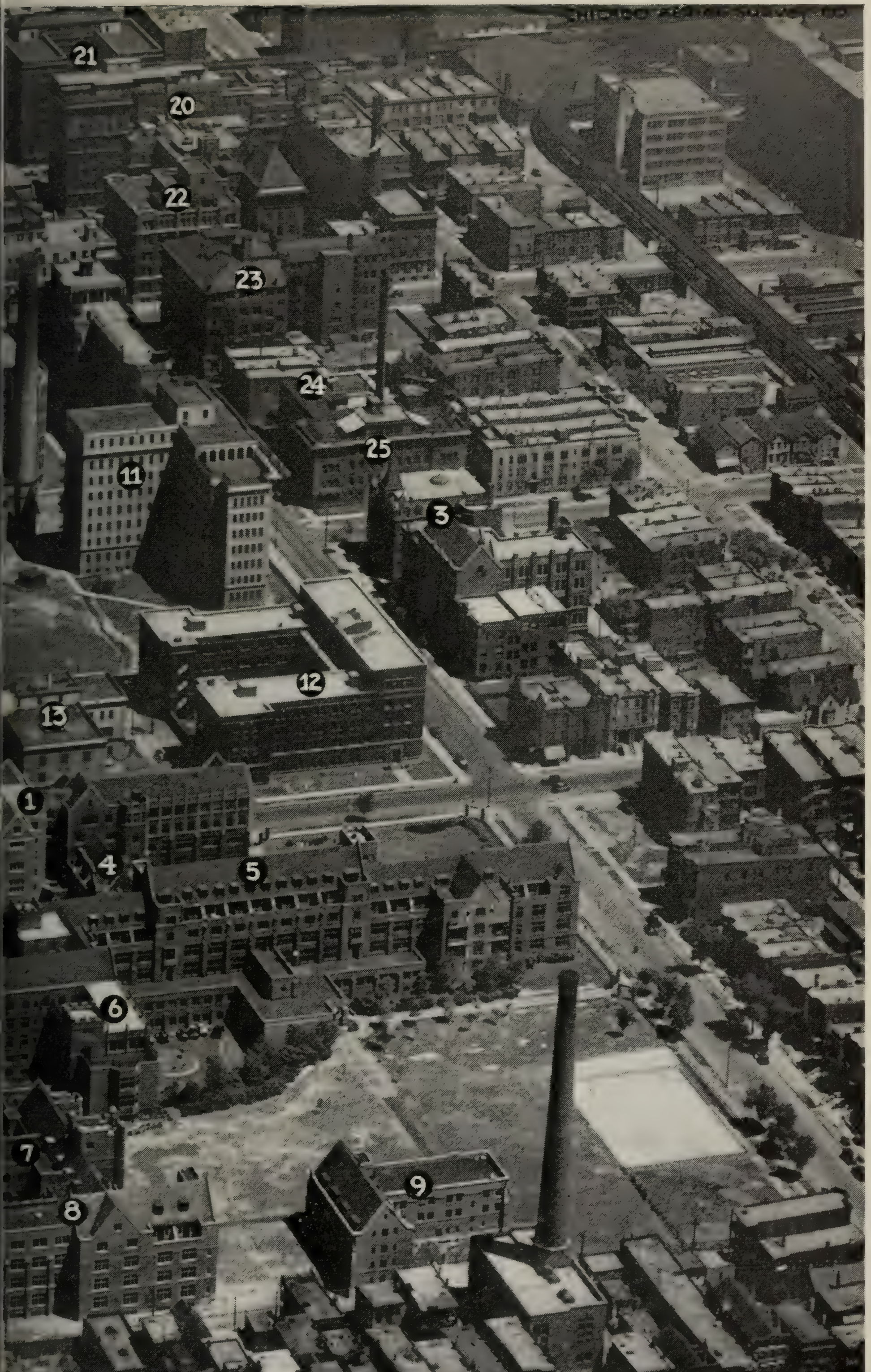
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COLLEGE CALENDAR

1932-1933

FIRST SEMESTER

September 26-October 1, Monday-Saturday
Special examinations

October 3, Monday, 8 a.m.-5 p.m.
Registration and payment of fees

October 4, Tuesday, 8 a.m.
Instruction begun

November 23, Wednesday, 12 m.
Thanksgiving recess

November 28, Monday, 8 a.m.
Instruction resumed

December 22, Thursday, 6 p.m.
Holiday recess begun

January 4, Wed., 8 a.m.
Instruction resumed

January 30-February 4, Monday-Saturday
Semester examinations

SECOND SEMESTER

February 6, Monday, 8 a.m.-5 p.m.
Registration and payment of fees

February 7, Tuesday, 8 a.m.
Instruction begun

April 13, Thursday, 6 p.m.
Easter recess begun

April 17, Monday, 8 a.m.
Instruction resumed.

May 22-June 3, Monday-Saturday
Final examinations: Second and Fourth Years, May 22-27 inclusive; First and Third Years, May 29-June 3, inclusive

May 30, Tuesday
Memorial Day

June 8, Thursday
Class Day
Alumni Meeting

June 9, Friday, 10:30 a.m.
Commencement Exercises
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DAVID ARTHUR WILLIS, B.S., M.D., *Instructor in Surgery*
BENJAMIN M. GASUL, B.S., M.D., *Instructor in Pediatrics*

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†Deceased May 16, 1932.

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M. L. OSTROM, B.S., M.S., M.D., *Assistant in Otolaryngology*

GENERAL STATEMENT

The College of Medicine of the University of Illinois opened its doors on October 14, 1881, as a Proprietary Medical School known as "The College of Physicians and Surgeons of Chicago." The building first occupied is still standing at the corner of Harrison and Honore streets and houses at the present time the College of Dentistry of the University of Illinois. The College of Physicians and Surgeons first became affiliated with the University of Illinois in 1897, and in 1900 the name was officially changed to "The College of Medicine of the University of Illinois." On March 6, 1913, all of the property and the entire issue of stock of the old institution were transferred to the University of Illinois and the College of Medicine became an organic part of the University.

The College of Medicine and Dentistry buildings occupy a campus approximately eight acres in extent, adjacent to the Cook County Hospital. The University now has in operation the large Medical and Dental Laboratory building facing on Polk and Lincoln streets, and a new building, completing the quadrangle and facing on Polk and Wood streets, has been provided for.

The Department of Public Welfare of the State of Illinois has constructed adjoining to and connecting with the College an extensive group of Hospitals and Laboratories and the University is thereby in position to offer its faculty adequate facilities for teaching and investigation. The units now in operation include, in addition to the College, the following: General Hospital, Outpatient Dispensary, Orthopaedic Institute, Psychiatric Institute, Institute for Juvenile Research and Medical and Dental Library. The College buildings and the hospitals and institutes of the Department of Public Welfare are all located on the area bounded by Polk, Wood, Taylor and Lincoln streets.

CLINICAL FACILITIES

The Research and Educational Hospital.—At the present time some 350 beds are occupied and the total of 400, contemplated, will soon be available. The hospital connects directly with the College class rooms and laboratories and it has been designed for teaching and investigation.

The out-patient dispensary occupies the main floor of the hospital building. It possesses adequate and comfortable waiting rooms, suitable suites for all divisions of clinical work, a large amphitheatre, electrocardiographic and hydrotherapeutic units, and drug dispensary and preparation rooms. The dispensary is divided into twelve departments: medicine, surgery, genito-urinary surgery, obstetrics, gynecology, pediatrics, orthopaedics, otolaryngology, dermatology, ophthalmology, neurology and radiology. At present the number of treatments is limited to about 100,000 per year.

Active teaching is also being conducted at the present time in the following hospitals: Cook County Hospital, The Municipal Tuberculosis Sanitarium, The Municipal Contagious Hospital, Augustana Hospital and St. Luke's Hospital.

GENERAL PLAN OF INSTRUCTION

The course of instruction leading to the degree of Doctor of Medicine covers a period of five years, four in the College of Medicine and the fifth in interne service in an approved hospital, or a year of research work acceptable to the University.*

During the first two years the work is confined mainly to the fundamental sciences, and the time of the student is largely devoted to laboratory work. During the first year this consists of work in anatomy, histology, embryology, neurology, chemistry and physiology. During the second year the study of physiology is continued and in addition the student takes up bacteriology, pathology, laboratory diagnosis, pharmacology, physical diagnosis, medicine, surgery, obstetrics and hygiene.

During the third and fourth years the time is devoted to the various clinical branches, emphasis being given to practical instruction in dispensary and hospital clinics. In the dispensary the student examines the cases personally under the guidance of instructors. He is required to make laboratory examinations pertaining to his own cases. Such examinations as the Wassermann reaction are made by the instructors in the laboratory, but the student has opportunity to follow these and to learn the technique involved.

Examinations are held at the close of each semester. Those at the end of the second and fourth years may be of a comprehensive nature and may be either written or oral.

In the fourth year clinical clerkships are established to be operated at one time for one-fourth of the class and for a period of two months. This one-fourth of the class is further divided into four sections, one section being assigned to Medicine, one to Surgery, one to Obstetrics and one to service in outside hospitals. The students on service in outside hospitals are excused from attendance on all lectures and clinics but are held responsible for the subject matter of the courses from which they have been excused.

In the third year the student must elect two hours per week in each semester. In the fourth year five and one-half hours per week of elective work must be taken from the elective subjects and at least one hour of these electives must be selected from the subjects in surgery. This elective work of the third and fourth years may be either in pre-clinical or clinical subjects. A student may in this way emphasize his training in some particular subject or subjects. The elective work may be counted for graduate credit provided the student registers in a course recognized for graduate credit by the graduate faculty and can satisfy the head of the department concerned as to his ability to pursue the work he proposes to undertake.

The fifth year consists of a twelve months' interne service in a hospital approved by the University. During the fourth year the students apply to the hospitals in which they wish to interne and, if successful, sign contracts for the service desired. The list of fifth year students with the hospitals in which they are serving is given on page 50. Research work may be substituted for the hospital work of the fifth year.

Students are prohibited from doing work that interferes in any way with the fulfillment of the requirements of the curriculum. Unofficial clinical work may not be substituted for the official requirements of the curriculum.

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*See Medical Practice Act of the State of Illinois. Senate Bill No. 439, Approved June 30, 1923, Section 5 (b).

REQUIREMENTS FOR GRADUATION

To receive the degree of Bachelor of Science in Medicine a student must have completed in full the courses of the first two years with grades of 75% or better in at least three-fourths of the work.

To receive the degree of Doctor of Medicine a student must have spent four years in attendance, of which at least the last one must have been in residence at the University of Illinois, completed the prescribed curriculum and in addition have either satisfactorily finished a hospital course of not less than twelve months' duration in a hospital approved by the University of Illinois, or completed a year of research work acceptable to the University. He must also have shown evidence of good moral character and have paid all indebtedness to the College.

Graduation with Honors.—A student who complies with the requirements for graduation and who attains in all work presented for the degree, the average grade specified below, may be recommended by the University Senate for the honors stated: For an average grade of not less than 4.35, Graduation with Honors; for an average grade of not less than 4.75, Graduation with High Honors. The honors conferred shall be noted upon the diploma and commencement program.

Significance of Grades.—The percentage system of grading is used, and 70% is the lowest passing grade. Where necessary to translate percentages to literal grades, or vice versa, the following values are used: 5 or A, 92 to 100%; 4 or B, 85 to 91%; 3 or C, 75 to 84%; 2 or D, 70 to 74%.

ENTRANCE REQUIREMENTS

Owing to limited space the number of first year students is restricted to one hundred and seventy-five. Applicants' names are placed on the waiting list in the order in which the applications are approved.

Applications for admission must be made to the Examiner of the College of Medicine in Chicago. Credentials covering all college and high school work must be sent directly from each institution attended to the Examiner. No student who is on scholastic probation at, or who has been dropped from the last institution attended prior to seeking admission will be considered.

For admission to the College of Medicine, candidates must present:*

1. Four years of accredited high school work or the equivalent, comprising not less than 15 units in acceptable subjects prescribed as follows:

English	3 units[1]
Algebra	1 unit
Plane geometry	1 unit
Latin, Greek, German, or French (both units in the same language)	2 units
History and civics	1 unit
Electives (Trigonometry is advised)	7 units
Total	15 units

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*These are the minimum requirements for admission to the College of Medicine. For a broader foundation attention is called to the work indicated on page 19 under "Courses Offered."

[1] By a *unit* is meant a year's work in a single subject, it being understood that the school year shall not be less than 36 weeks in length, that classes shall recite 5 times a week, that the recitation period shall be not less than 40 minutes long, that in science subjects there shall be double periods twice a week and that double time shall be given in subjects like drawing, manual training and bookkeeping, in which little or no outside study is required. Since high-school students ordinarily take four subjects at a time throughout the four years of the high-school course, 15 units represent approximately four years of high-school work.

2. Two years' work in a recognized college or university, comprising not less than 60 semester hours, exclusive of military, hygiene, and physical education. Each applicant, whether from the University of Illinois, or from other institutions of recognized standing, must have attained in all college courses a scholastic average of not less than 3.5, or its equivalent as determined by the University of Illinois for institutions using a different grading system (see note 1). In determining the scholastic average, grades received in military science, physical education, and hygiene will not be considered. The work must include prescribed and elective subjects as follows:

Chemistry (including organic chemistry, 4 semester hours)	12 semester hours[1]
Physics (at least 2 hours of laboratory work)	8 semester hours
Zoology (at least 4 hours of laboratory work, see note 2)	8 semester hours
English	6 semester hours
German, French (see note 3)	6 semester hours
Electives outside of the chemical, physical, and biological sciences (see note 4)	6 semester hours
Free electives (see note 4)	14 semester hours
Total	60 semester hours

Note 1.—The interpretation of this rule is carried out by translation of the literal grade into figures as follows: A = 5; B = 4; C = 3; D = 2; E = 1. The individual grades are multiplied by the respective number of semester hours which each represents and the total of these figures is divided by the number of hours presented less work in military, physical education, and hygiene.

Note 2: Zoology.—Four of these 8 semester hours must consist of laboratory work. This requirement must include a course in general zoology and one in vertebrate zoology. Botany is no longer accepted as meeting any part of the prescribed portion of the requirement.

Note 3: German, French.—The required 6 hours must be in the same language. The student is urged to secure a reading knowledge of one of these languages. This will ordinarily require at least one year of work in the same language in college, after 2 years in high school, or two full years' work (in a class reciting at least 3 periods per week) in college if the language was not begun in high school.

Note 4: Electives.—(a) Psychology and trigonometry, the latter if not taken in high school, are urged. The following additional subjects are suggested: college algebra, additional English, economics, history, sociology, political science; logic, Latin, Greek; drawing. (b) Among the free electives, quantitative chemistry, physical chemistry, botany and extra zoology are recommended.

No conditions permitted.—The full requirements as listed above must be presented before admission. No conditions are permitted.

Preference to Illinois Residents.—In considering applications for admission preference and priority will be given candidates who are residents of Illinois.

Students Registered in the Medical Curriculum.—The seven-year medical curriculum offered by the University consists of two years of pre-medical work at Urbana, including the subject requirements stated above, two years of preclinical work in the College of Medicine in Chicago (for these four years a

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[1] By a *semester hour* is meant the work of a class meeting one hour once a week for a semester of 18 weeks. Sixty semester hours represent ordinarily two years of college work.

B.S. degree may be given), two years of clinical work in the College of Medicine at Chicago, and one year as an interne in a hospital approved by the University. The registration of students at Urbana who have completed there the requirements of the first two years of the medical curriculum (the pre-medical work) is continued in the College of Medicine. Students admitted to the second year of the pre-medical curriculum at Urbana, having taken their first year elsewhere will not be permitted to continue their registration in the College of Medicine ahead of candidates from other institutions who have been on the waiting list of the College of Medicine for one year or more. Registration of students is continued in the College of Medicine subject to the following conditions:

1. The student who wishes thus to continue his work in the University must signify his intention to the Registrar on a form provided by him not later than March 1 of the year in which he purposes to continue his work in the Chicago department.

2. The student must comply with the general regulations for registration in the University in the medical course. These include having an average in all college courses of 3.5 and the payment of fees in advance.

3. No student who is on probation at the University (or who has been dropped for poor scholarship) at the time he seeks to continue his University registration in the College of Medicine, has any claim to precedence in registration over students who come with clear records from the University of Illinois or other institutions.

COURSES OFFERED

While the minimum requirements for admission prescribe two years of liberal arts and science work, it is to the advantage of the student to present more than this amount of pre-medical work.

Attention is called to the fact that the University at Urbana offers the following choice of courses:

1. A course of nine years—four in the College of Liberal Arts and Sciences at Urbana, leading to the degree of Bachelor of Arts, followed by five years in the College of Medicine in Chicago, leading to the degree of Doctor of Medicine. This course of study is recommended to young men who can afford the time for it, and who are of the average age at graduation from the public high schools.

2. An eight-year course—three years in the College of Liberal Arts and Sciences at Urbana, followed by five years in the College of Medicine in Chicago. Students taking this course are permitted, at the end of their first year in the College of Medicine, to transfer credits in the medical sciences to complete the requirements for graduation of the College of Liberal Arts and Sciences and receive the degree of Bachelor of Arts. On the completion of five years in the College of Medicine they receive the degree of Doctor of Medicine.

ADVANCED STANDING

Because of the limitations of space, the membership of each class is strictly limited. Applications for admission with advanced standing to any class will not be considered until vacancies are certain to occur. In case there are vacancies to be filled preference will be given to those applicants who are residents of Illinois and who present the strongest records.

In general the administration cannot determine definitely whether there will be vacancies, or the number of vacancies until the day of registration.

No student who is on probation at or who has been dropped for any reason from a college of medicine will be considered for admission.

FEES AND EXPENSES,[1] STUDENT AID, ETC.

All fees other than the tuition fee are payable in full at the time they are assessed. The tuition fee for each year is payable in two equal installments on registration day at the beginning of each semester. A student is not registered until his fees are paid.

Matriculation Fee. Each student not holding a scholarship, on satisfying the requirements for admission to the University, pays the matriculation fee of	$ 10
This fee is assessed only once for any student in the University of Illinois.	
Tuition and Laboratory Fee. All students in the College of Medicine, residents of Illinois, pay each year a tuition and laboratory fee of	$200
A student holding a scholarship pays the laboratory fee only. Laboratory fees are assessed only for the specific laboratory courses taken. Students in the College of Medicine, not residents of Illinois, pay each year a tuition and laboratory fee of	$300
Late Registration Fee. Students who enter after registration day are charged a late registration fee of	$ 5
Special Examination Fee. For any special examination a fee is charged amounting to	$ 5
Diploma Fee. Each student pays for each diploma received from the University a fee of	$ 10
Listener's Fee. Listeners and visitors pay the following fees:	
For each 25 clock hours or a fraction thereof, residents of Illinois	$ 10
Persons not residents of Illinois	$ 20
Maternity Service Fee (Fourth year students)	$ 15

Special fees are charged for the various postgraduate courses. These fees are listed with the description of each course concerned.

Students permitted to take more or less than the regular schedule, to the extent of a difference of more than 64 clock hours, will be charged proportionately more or less tuition fees.

Copy of original transcript of record, $1.00; for each carbon copy of same, fifty cents. Each student is entitled to one transcript of record without a fee, but he must pay for extras in the way of carbon copies supplied with the original transcript or for the second request for the original.

Note.—County Hospital Ticket, $5.00. (3rd and 4th yr. students.)

No members of the instructional staff are allowed to accept special fees.

In case a student withdraws from the school within ten days after the beginning of the instruction the total amount of his fees except the matriculation fee will be refunded. After ten days and before the expiration of the month a refund of three-fourths of the tuition and laboratory fees will be made. After one month and before the expiration of two months a refund of one-half of these fees will be made. After two months and before the expiration of three months a refund of one-fourth of the fees will be made. After the expiration of three months no part of the fees will be refunded.

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[1] The Trustees reserve the right to change the fees at any time through publication in the annual announcement.

Alumni are admitted to all regular undergraduate courses, without charges, except in laboratory work, in which a charge is made for material actually used.

Each student is required to provide himself with a compound microscope and a haemocytometer equipped to meet the requirements of the work of the curriculum.

LIVING EXPENSES

The expenses of living in Chicago are less than in most large cities. From fifty to seventy-five dollars per month may be regarded as adequate for the ordinary living expenses of a student exclusive of books, clothing, railroad fare and miscellaneous needs.

The expense for books varies between $25.00 and $50.00 a year. The instructors at the beginning of each course direct their students in regard to the purchase of textbooks.

A ten-story Y.M.C.A. building located three blocks from the College affords a comfortable home for students.

Physical Examinations.—Students contemplating a medical course should check up on their own health and physical condition. The medical program is exacting and strenuous and loss of time is costly. A complete physical examination by the family physician is urged. The eyes and teeth should be in the best of condition. Tonsils should be removed if the physician deems this advisable.

A competent health service with medical and hospital facilities is provided for students. Physical examinations during the first year are compulsory and every effort is made to assist the students in their own health problems.

STUDENT LOAN FUNDS

A number of loan funds have been established for the benefit of worthy students who are in need of financial aid in order to finish their courses in the University. For more detailed information apply to the Business Office of the College of Medicine.

SCHOLARSHIPS AND LECTURESHIPS

Rea Scholarships.—Through the generosity of the late Professor R. L. Rea a fund has been provided for scholarships each year for worthy students. These scholarships are awarded annually by the officers of the Faculty.

For the session of 1931-32, they were granted to the following students:

Benjamin Highman
John J. Kazakevich
Emanuel A. Kominik
Carl Sugar

(For circulars giving more detailed information concerning scholarships, apply to the Registrar of the University, Urbana.)

The following undergraduate scholarships relieve the holder of the payment of the matriculation and tuition fees:

General Assembly Scholarships.—One nomination annually by each member of the General Assembly. Under the law, nominations must be received by the President of the University not later than the first Monday in July of the year in which the scholarship is to become effective.

State Military Scholarships.—For World War Veterans. Special provisions passed by the General Assembly in 1919.

THE WILLIAM BEAUMONT MEMORIAL FUND

Dr. Frank Smithies of Chicago has endowed an annual prize of $100 in memory of William Beaumont, the famous surgeon of the nineteenth century who made valuable contributions to the knowledge of the digestive system. The prize is awarded to the student or faculty member of the College of Medicine who submits the best original work in the study of diseases of the alimentary tract; it is administered by a committee appointed by the Dean of the College of Medicine. The sixth award was made on June 10, 1932 to Charles Bernard Puestow, M.D.

JAMES BURKETT DEUSS MEMORIAL

A prize of $100 is given on alternate years for the best contribution in the field of allergy by any registered student or member of the faculty of the College of Medicine.

MEMORIAL LECTURESHIP

In commemoration of members of the Alumni, Faculty and Student Body who lost their lives during the World War, the Alumni, Faculty and Students have raised a fund sufficient to establish a Memorial Lectureship. One lecture is delivered annually by a prominent educator on a subject of general medical interest.

ADOLPH GEHRMANN LECTURESHIP

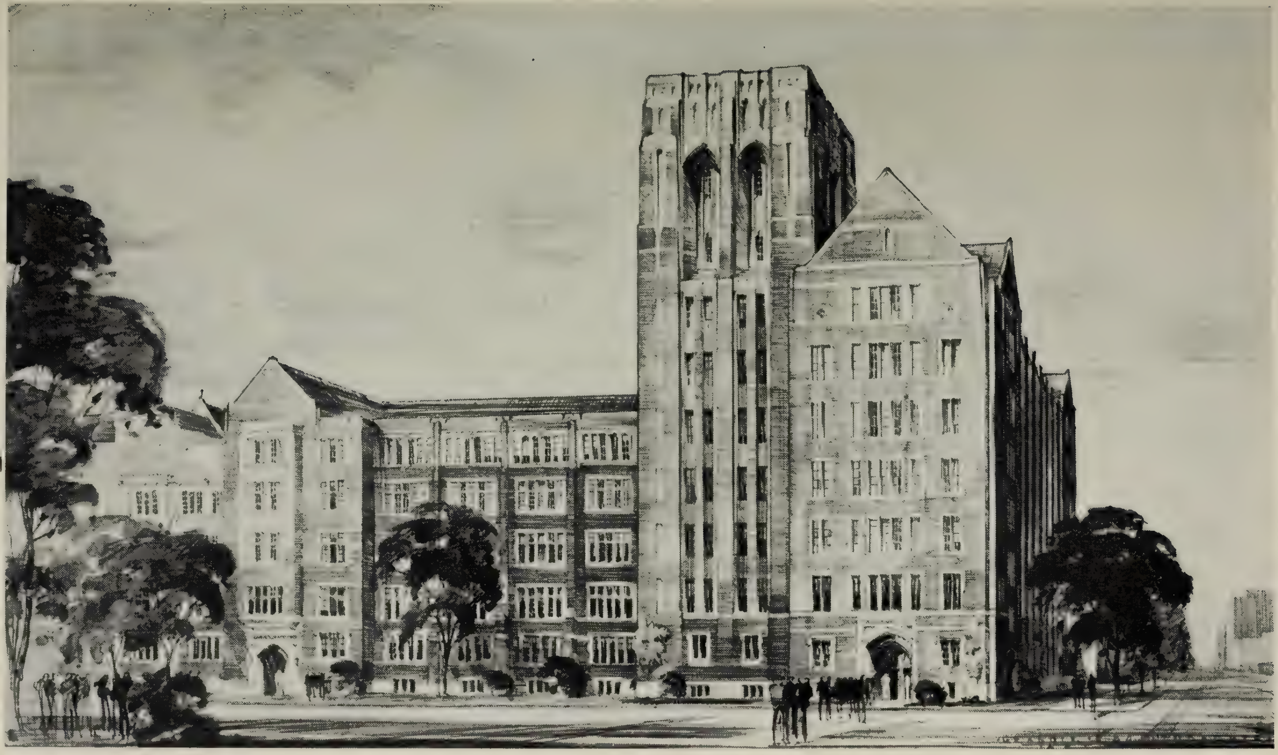
In accordance with the will of Mrs. Albertina Gehrmann, widow of the late Adolph Gehrmann, for many years Professor of Bacteriology and Hygiene in the College of Medicine, the sum of $10,000 was given for the establishment and support of a Lectureship in the College of Medicine of the University of Illinois, in memory of Dr. Gehrmann. The seventh of this series of lectures was delivered by Dr. C. Macfie Campbell, of Harvard University, on March 15, 16, and 17, 1932, his general subject being, "Mental Hygiene."

CHARLES S. BACON LECTURESHIP

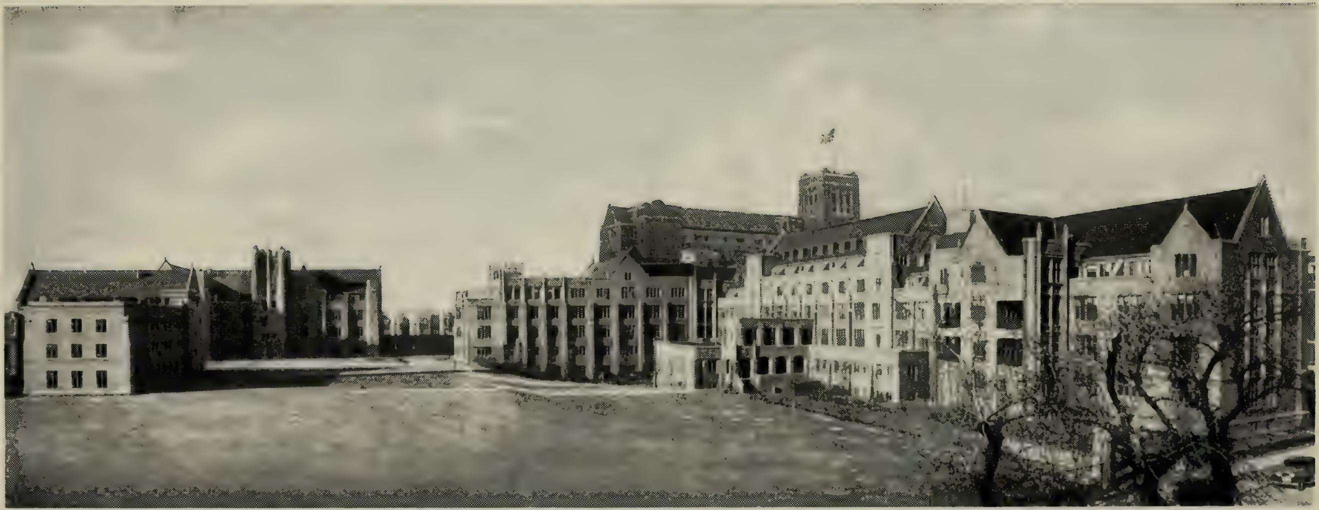
In 1927 Dr. Charles S. Bacon on reaching the retiring age was made Professor Emeritus of Obstetrics. On this occasion the Members of the Faculty and friends of Dr. Bacon contributed the sum of $5,000 to found the Charles S. Bacon Lectureship in Obstetrics. The income from this amount is used to defray the expenses of a lecture given each year at the University of Illinois College of Medicine. The third of this series of lectures was given in the fall of 1931 by Dr. Herbert M. Evans, of the University of California.

THEODORE B. SACHS RESIDENCY

The Chicago Tuberculosis Institute has granted the College $2500 a year for a period of five years to establish a Theodore B. Sachs Residency in the



The Main Laboratory Building of the Colleges of Medicine and Dentistry



The Campus Viewed from the Southwest, With the Research and Educational Hospital in the Foreground field of tuberculosis and allied diseases. During the 1931-32 session this was occupied by Dr. Allen K. Krause, Director of the Desert Sanitarium, Tuscon, Arizona.

A series of Medico-historical Lectures is held in the Library on alternate Wednesdays during the school year. These lectures are given by the members of the faculty of the College of Medicine and of the various related departments of Urbana and by Chicago physicians and distinguished visitors interested in medical history.

DESCRIPTIONS OF COURSES IN MEDICINE*

ANATOMY

Professor KAMPMEIER; Associate Professor REAGAN; Assistant Professors COOPER, ZIMMERMANN, VON BONIN, JORANSON, Dr. ZECHEL, Dr. WEBB, Dr. SIMER, Dr. FISCH, Dr. BOELIO, Dr. STEIN, Dr. WHITE, Dr. BURROWS, Dr. MADDEN, Dr. PILKA, Dr. WEINER, Dr. VACIN, Dr. RUBIN, Dr. UTERHART.

REQUIRED COURSE—FIRST YEAR

To insure greater correlation and unity in the presentation of the content of *Human Anatomy*, the following major divisions are merged into a single course. Hence, their subject matter extends in continuity throughout both semesters.

1. *Histology.*—Cytology, general histology and organology.

2. *Embryology.*—General embryology, organogeny and teratogeny.

3. *Systematic and Regional Anatomy.*—Complete dissection of the human body: superior extremity; thorax; abdomen; pelvis; inferior extremity; head and neck.

4. *Neurology.*—Gross and microscopic anatomy of the nervous system.
Lectures and demonstrations: 6; laboratory: 12 hours. *I and II.*
Professor KAMPMEIER, Associate Professor REAGAN, Assistant Professors ZIMMERMANN, COOPER, VON BONIN, Dr. ZECHEL, Dr. WEBB, instructors and assistants.

REQUIRED COURSE—THIRD YEAR

6. *Topographical Anatomy.*—Topography and relations of the various regions, systems and organs of the body; correlation of subject matter with clinical conditions and procedure. *I.* (4.) Dr. ZECHEL and assistants

ELECTIVE COURSES

51. *Microscopical Technic.*—Preparation of objects; injecting bloodvessels and lymphatics; maceration, digestion and corrosion, decalcification; fixation of tissues, embedding, sectioning, staining, mounting, etc. 1 two-hour period. *I or II.* Limited. Dr. BOELIO

52. *Medical Illustrating.*—Drawing, including perspective values and their adaptation to the representation of medical subjects; media adapted for representing certain conditions and structures, and for special methods of reproduction. 2 two-hour periods. *I.* Limited to four. Assistant Professor JONES

53. *Fetal Anatomy.*—Dissection, with consideration of problems of development, and physiology. 2 two-hour periods. *I or II.* Limited.
Assistant Professor ZIMMERMANN

54. *Medical Statistics.*—Biometry, based on the principles of the calculus of probability, and its application to problems of morphology, medicine, and the statistics of population. *I or II.* (2.) Assistant Professor VON BONIN

55. *Preparations for Anatomical Museum.*—The creation of special dissections, reconstructions, models and demonstration specimens for the anatomical

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*The Arabic numerals preceding the captions indicate the numbers of the courses. Unless otherwise specifically stated, the Arabic numerals following the description of courses indicate the number of one-hour periods. The Roman numerals *I* and *II* indicate the number of the semester in which the course is given.

teaching collection requiring skill, ingenuity, neatness and accuracy in execution. 2 two-hour periods. *I and II.* Limited to two or three qualified students.
Professor KAMPMEIER and other members of staff

56. *Physical Anthropology.*—Phylogeny of human races, anthropometry of living and skeletal material; anthropogeography, racial physiology and pathology; growth of populations and racial distributions of modern man; social anthropology, racial psychology and eugenics. *I.* (2.)
Assistant Professor VON BONIN

Seminar.—Critical reviews of recent anatomical literature, preparation of bibliographies and of scientific papers for publication. Presentation and discussion of the results of investigations.

Research.—Opportunity is given physicians and qualified students to do investigative work. A reading knowledge of French and German is essential.

COURSES FOR GRADUATES

101. *Morphology, Experimental Morphology and Functional Anatomy.—One or two units.* Professor KAMPMEIER, Associate Professor REAGAN

102. *Individual Research.*—In Embryology, Cytology and Histology, Neurology, Anthropology and Biometrics, Experimental Morphology, Functional and Applied Anatomy. *One or two units.*
Professor KAMPMEIER, Associate Professor REAGAN

CRIMINOLOGY, SOCIAL HYGIENE AND MEDICAL JURISPRUDENCE

Professors SCHROEDER, YARROS; Associate Professor BROWN; Assistant Professor BARRICK; Dr. SELLING, Dr. GEIGER, Dr. McKEE, Dr. JENKINS.

REQUIRED COURSE—THIRD YEAR

5. *Criminology and Behavior Problems.*—Principles of criminology and social hygiene as applied to medicine; venereal problems. *II.* (1.)
Professors SCHROEDER, YARROS

REQUIRED COURSES—FOURTH YEAR

6. *Medical Jurisprudence.—II.* (1.)

7. *Medical Sociology.*— Professor SCHROEDER

ELECTIVE COURSES—FOURTH YEAR

56. *Mental Hygiene.*—Mental hygiene in infancy and childhood. *(Eight weeks.) I.* (1.) Professor SCHROEDER

57. *Mental Hygiene.*—Mental hygiene of adolescence. Educational counsel and vocational guidance. *(Eight weeks.) I.* (1.) Dr. SELLING

58. *Clinical Administration of Behavior Problems.*—Probation treatment and parole. *II.* (1.) Assistant Professor BARRICK, Dr. McKEE

59. *Criminal Identification.*—Application of physical structure and functions in identification of criminals. Professor SCHROEDER

COURSES FOR GRADUATES

101. *Research in Juvenile Behavior.—One to three units.*
Professor SCHROEDER

102. *Advanced Work in Juvenile Behavior.—One to three units.*
Professor SCHROEDER

103. *Special Abilities and Disabilities.—One or two units.* Dr. BROWN

104. *Psychological Tests.—One or two units.* Dr. BROWN

105. *Psychology of Behavior Problems.—One or two units.* Dr. BROWN

DERMATOLOGY

Professor SENEAR; Assistant Professors WIEN, WEBER; Dr. CORNBLEET, Dr. KRASNOW, Dr. RATTNER, Dr. CARO, Dr. PERLSTEIN, Dr. PACE, Dr. BERGEN, Dr. MORTIMER, Dr. ROSENTHAL, Dr. SCHORR.

REQUIRED COURSE—THIRD YEAR

1. *Practice.*—Lectures. *I and II.* (1.)
Professor SENEAR, Assistant Professor WIEN

REQUIRED COURSES—FOURTH YEAR

2. *Clinic.—I and II.* (1.) Professor SENEAR

9. *Clinic.*—Dispensary, including instruction in roentgenology. 3 one-hour periods. *(Four weeks.) I or II.* (1.)
Professors SENEAR, BACHEM, Assistant Professors WIEN, WEBER, Dr. CORNBLEET, Dr. RATTNER, Dr. KRASNOW, Dr. PACE, Dr. CARO, Dr. PERLSTEIN.

ELECTIVE COURSES—FOURTH YEAR

50. *Syphilis.*—Diagnostic and therapeutic methods employed. *(Eight weeks.) I or II.* (1.) Professor SENEAR, Assistant Professor WIEN

51. *Dermatology.*—Special diagnostic and therapeutic methods. *(Eight weeks.) I or II.* (1.) Professor SENEAR, Assistant Professor WIEN

COURSE FOR GRADUATES

101. *Research in Dermatology.—One to three units.* Professor SENEAR

LARYNGOLOGY, RHINOLOGY AND OTOLOGY

Professor PIERCE, Associate Professors BECK, LEDERER; Assistant Professors HOLINGER, W. H. THEOBALD, J. J. THEOBALD; Dr. LIVINGSTON, Dr. BREDLAU, Dr. SHAPIRO, Dr. SPIESMAN, Dr. HALPER, Dr. FOX, Dr. KANE, Dr. COOMBS, Dr. HARNED, Dr. VAN ALYEA, Dr. GUTTMAN, Dr. OSTROM, Dr. LAMBRAKIS, Dr. HARTLETT, Dr. KLAWANS, Dr. FISHMAN.

REQUIRED COURSES—THIRD YEAR

3. *The Ear, Nose and Accessory Sinuses.*—Surgical anatomy, physiology, pathology and treatment. *I.* (1.) Associate Professor LEDERER

11. *The Mouth, Pharynx and Larynx.*—Surgical anatomy, applied pathology and treatment. *II.* (1.) Associate Professor LEDERER

12. *Conference.*—A general survey of the field through the medium of quiz groups. *I or II.* (1.) Associate Professor LEDERER and staff

13. *Clinic Dispensary.*—Research Hospital. 3 two-hour periods. *(Three weeks.) I or II.* Associate Professor LEDERER and staff

REQUIRED COURSES—FOURTH YEAR

14. *Clinical Otolaryngology.*—Research Hospital. Cases of interest are presented to illustrate the practical points in diagnosis. Pathology, indications for treatment and operation are discussed. 1 two-hour period. *(Eight weeks.) I.*
Associate Professor LEDERER; Assistant Professors W. H. THEOBALD, J. J. THEOBALD; Dr. S. SHAPIRO, Dr. VAN ALYEA, Dr. KANE.

ELECTIVE COURSES—FOURTH YEAR

50. *Advanced Anatomy and Physiology of Ear, Nose and Throat.*—16 hours.
Associate Professor LEDERER, Dr. FISHMAN

51. (a) *Speech Defects.*
(b) *Problems of Deafness.*—8 hours.
Associate Professor LEDERER, Assistant Professor J. J. THEOBALD

52. *Advanced Clinical Otolaryngology.*—16 hours. Research Hospital. Ward Walk. Diagnostic and therapeutic methods.
Associate Professor Lederer, Dr. Halper

53. *Research and Experimental Work in Otolaryngology.*—Special problems assigned to qualified students. Associate Professor Lederer

For Physician's Courses see page 39.

Course for Graduates

101. *Research in Laryngology, Rhinology and Otology.—One to three units.*
Associate Professor Lederer

MEDICINE

Professor Williamson, *Head of Department*

INTERNAL MEDICINE

Professors Williamson, Lewison, Strauss, Keeton; Associate Professors Chauvet, Moore, Meyer, Pilot, Goldberg, Singer; Assistant Professors Perlstein, Wilson, Sawyer, Vanderkloot, Cipriani, Propst, Gunnar, Freilich, Foley, Streicher, Birch, Deuss, Rabens; Dr. Goldwasser, Dr. Kronenberg, Dr. Klemptner, Dr. Dalitsch, Dr. Feldman, Dr. Richter, Dr. Fisch, Dr. Bolotin, Dr. Bowman, Dr. Kartoon, Dr. Nelson, Dr. Ragins, Dr. Soloway, Dr. Becker, Dr. Marshall, Dr. Amtman, Miss Hood, Dr. Golub, Dr. Grosz, Dr. Gurvey, Dr. Afremow, Dr. Crudim, Dr. De Trana, Dr. Nagel, Dr. Pearlman, Dr. Smith, Dr. Hick, Dr. Aaronson, Miss Dickson.

Required Courses—Second Year

2. *Physical Diagnosis.*—Practical drill on normal subjects; small sections. (a) *II.* (1.) (b) 1 two-hour period. *I.*
Professor Lewison, Associate Professor Chauvet, Assistant Professor Freilich.

3. *Practice.*—Lectures and conferences with special reference to Diseases of Metabolism. *I.* (1.) Professor Keeton

4. *Practice.*—Lectures and conferences. *II.* (2.)
Assistant Professor Propst

Required Courses—Third Year

5. *Practice.*—A general survey of the important diseases. A continuation of the second year course. *I and II.* (2.)
Assistant Professors Sawyer, Cipriani, Vanderkloot, Deuss

6. *Clinic.*—Research Hospital. Selected topics. *I and II.* (1.)
Professor Williamson

7. *Clinic.*—Research Hospital. Selected topics, with special reference to Diseases of Metabolism. 1 one-hour period. *I or II.* Professor Keeton

8. *Clinic.*—Research Hospital. Selected topics. 1 two-hour period. *(Eight weeks.) I or II.* Dr. Dalitsch

9. *Clinic.*—Cook County Hospital. Tuberculosis Wards. 1 two-hour period. *(Eight Weeks.) I or II.* Assistant Professor Freilich

10. *Clinic.*—Cook County Hospital. Selected topics. 1 two-hour period. *(Eight weeks.) I or II.* Associate Professor Meyer

11. *Clinic.*—Cook County Hospital. Selected topics. 1 two-hour period. *(Eight weeks.) I or II.* Associate Professor Pilot

13. *Clinic.*—Research Hospital. Selected topics. 1 two-hour period. *(Eight weeks.) I or II.* Assistant Professor Birch

15. *Clinic.*—Research Hospital. 1 two-hour period. *(Eight weeks.) I or II.*
Dr. HICK

23. *Physical Diagnosis Clinic.*—Cook County Hospital. Tuberculosis Wards. *I.* (1.)
Professor LEWISON, Associate Professor CHAUVET, Assistant Professor FREILICH.

27. *Clinic.*—Dispensary. Practical work on out-patients, with special stress on history taking. Most of the important diseases of an ambulatory nature common to the temperate zone may be seen here. 3 two-hour periods. *(Three weeks.) II.*
Professor KEETON, Associate Professors MOORE, SINGER; Assistant Professors PERLSTEIN, WILSON, GUNNAR, FOLEY, STREICHER, BIRCH, RABENS, Dr. GOLDWASSER, Dr. KLEMPTNER, Dr. FELDMAN, Dr. DALITSCH, Dr. RICHTER, Dr. BOLOTIN, Dr. SOLOWAY, Dr. GROSZ, Dr. MARSHALL, Dr. FISCH, Dr. GOLUB, Dr. BECKER, Dr. GURVEY, Dr. KARTOON, Dr. NELSON, Dr. RAGINS, Dr. AMTMAN, Dr. CRUDIM, Dr. DE TRANA, Dr. NAGEL, Dr. PEARLMAN, Dr. SMITH, Miss DICKSON.

ELECTIVE COURSES—THIRD YEAR

49. *Diseases of the Liver.—I or II.* (1.) Dr. DE TRANA

50. *Diseases of the Gastro-intestinal Tract.*—Lectures and demonstrations. *I or II.* (1.) Associate Professor MEYER

51. *Clinico-pathological Lectures and Demonstrations.*—(Limited to one-eighth the class.) *(Eight weeks.) I.* (1.) Associate Professor SINGER

52. *Diseases of the Heart.—I.* (1.) Professor STRAUSS

53. *Principles of Medicine.*—Review course. *I or II.* (2.) Dr. KRONENBERG

REQUIRED COURSES—FOURTH YEAR

12. *Seminar in the Classics of Medicine.*—A study of the epoch-making contributions. (Individual assignments.) *I or II.* (1.)
Professor WILLIAMSON, Assistant Professors FOLEY, BIRCH, STREICHER, DEUSS.

14. *Practice.*—Continuation of the course of study of previous year. Illustrated lectures; diseases of lungs and pleura, first semester; diseases of circulatory apparatus, second semester. *I or II.* (1.)
Professor LEWISON, Assistant Professor GUNNAR

16. *Clinic.*—Research Hospital. Selected topics. Special stress is laid upon the newer methods of diagnosis as applied to clinical medicine. 1 one-hour period. *I or II.* Professor WILLIAMSON

18. *Clinic.*—Research Hospital. Selected topics. 1 two-hour period. *I or II.* Associate Professor MOORE

21. *Clinic.*—Cook County Hospital. Selected topics, special reference to laboratory methods. *I or II.* (2.) Associate Professor SINGER

22. *Ward Clinic.*—Research Hospital. Selected topics, special reference to the liver and biliary apparatus. 1 two-hour period. *(Eight weeks.) I or II.*
Assistant Professor FOLEY

24. *Ward Clinic.*—Research Hospital. Selected topics, with special reference to the gastro-intestinal tract. 1 two-hour period. *(Eight weeks.) I or II.*
Assistant Professor STREICHER

25. *Ward Clinic.*—Cook County Hospital. Selected topics. 1 two-hour period. *I or II.* Assistant Professor FOLEY

26. *Clinic.*—Research Hospital. Selected topics. 1 two-hour period. *(Eight weeks.) I or II.* Assistant Professor PERLSTEIN

39. *Clinic.*—Cook County Hospital. Selected topics, special reference to diseases of the circulatory apparatus. 1 two-hour period. *I or II.* Professor Strauss

Elective Courses—Fourth Year

54. *Diseases of the Gastro-intestinal Tract.*—Lectures and demonstrations. *I.* (1.) Associate Professor Meyer

55. *Clinico-pathological Lectures and Demonstrations.*—(Limited to one-eighth the class.) *(Eight weeks.) II.* (1.) Associate Professor Singer

56. *Diseases of the Heart.*—With special reference to the graphic methods. *I or II.* (1.) Professor Strauss

59. *Clinical Parasitology.*—(Limited to eight students.) 1 two-hour period *(Eight weeks.) I or II.* Miss Hood

60. *Principles of Medicine.*—Review course. *I.* (2.) Dr. Kronenberg, Dr. Afremow

61. *Diseases of the Heart, Kidneys and Blood Vessels.*—Selected topics. *II.* (1.) Dr. Feldman

62. *Hypertension.—I or II.* (1.) Dr. Bolotin

63. *Diseases of the Chest.—I.* (1.) Dr. Rabens

64. *Tuberculosis.*— Associate Professor Goldberg

Course for Graduates

101. *Research in Medicine.—One to three units.* Professor Williamson

ROENTGENOLOGY

Professor Hartung

Required Course—Fourth Year

4. *Roentgenology.*—Application of Roentgen rays to medicine and surgery. *I.* (2.) Professor Hartung

5. *Clinic Dispensary.*—Technic, interpretation and therapy. 6 one-hour periods. *(Two weeks.) I or II.* Professors Hartung, Bachem

For Physician's Courses see page 39.

NEURO-PSYCHIATRY

Professors Singer, Hassin, Davis; Assistant Professors Diamond, Olkon, Low; Dr. Solomon, Dr. Paskind, Dr. Lebensart.

Required Courses—Third Year

1. *Neurology.*—Didactic. *II.* (1.) Assistant Professor Olkon

6. *Psychiatry.*—Principles of prevention. *II.* (1.) Professor Singer and associates

Required Courses—Fourth Year

2. *Neurology.*—Lectures and demonstrations. *I and II.* (1.) Professor Hassin

3. *Dispensary.*—8 two-hour periods. *I and II.* Assistant Professors Diamond, Olkon, Low, Dr. Solomon, Dr. Paskind

4. *Psychiatry.*—Lectures and case demonstrations. *I and II.* (1½.) Professors Singer, Davis

5. *Neurology.*—Clinic in Psychoneuroses. 8 two-hour periods. *I and II.* Assistant Professors Diamond, Low, Dr. Solomon

ELECTIVE COURSES—FOURTH YEAR

50. *Neuropathology.—(Eight Weeks.) I or II.* (1.) Limited to one-half the class.
Assistant Professor DIAMOND

51. *Clinical Psychiatry.—(Eight weeks.) II.* (1.) Prerequisite, Course 4.
Professors SINGER, DAVIS

COURSES FOR GRADUATES

101. *Research in Neurology.—One to three units.* Professor HASSIN

102. *Research in Psychiatry.—One to three units.* Professor SINGER

For Physician's Courses see page 39.

OBSTETRICS AND GYNECOLOGY

Professor FALLS, *Head of Department*

Associate Professor FISCHMANN; Assistant Professors LANG, HAMMOND, STONE, LACKNER, LASH, BROWNE, NEWBERGER; Dr. MARTIN, Dr. MARYAN, Dr. SKILES, Dr. LITT, Dr. BACON, Dr. BUSBY, Dr. HILLEBRAND, Dr. ROSE, Dr. BLOOMFIELD, Dr. SUMMERVILLE, Dr. KOBAK, Dr. HILL, Dr. SKEMP, Dr. KAPLAN, Miss McLAUGHLIN, Dr. JACOBSON, Dr. SWENSON, Dr. GRANGER, Dr. LIFVENDAHL, Dr. McCLINTOCK, Dr. ZETTELMAN.

OBSTETRICS

REQUIRED COURSE—SECOND YEAR

1. *Introductory Course in Obstetrics.—II.* (1.) Professor FALLS

REQUIRED COURSES—THIRD YEAR

12. *Physiology of Pregnancy and Labor.—I.* (2.)
Assistant Professors HAMMOND, LASH, BROWNE, Dr. MARTIN, Dr. SKILES, Dr. KOBAK, Dr. LITT

13. *Pathology of Pregnancy and Labor and the Puerperium.*—Lectures, quizzes and demonstrations. *II.* (2.)
Professor FALLS, Assistant Professors LACKNER, NEWBERGER, BROWNE, Dr. MARTIN, Dr. LITT, Dr. MARYAN.

14. *Dispensary out-clinic.*—3 two-hour periods. *(Three weeks.) I or II.*
Assistant Professors BROWNE, NEWBERGER; Dr. MARYAN, Dr. BUSBY, Dr. BLOOMFIELD, Dr. JACOBSON, Dr. SWENSON, Dr. HILL, Dr. ROSE, Dr. HILLEBRAND, Dr. KAPLAN, Dr. SKEMP.

16. *Obstetrical and Gynecological Laboratory.*—The student studies gross and microscopic specimens of the more common obstetrical complications such as ruptured uterus, ablatio placenta, puerperal sepsis, ectopic pregnancy, hydatid and blood moles, and various diseases and abnormalities of the fetus and newborn. Bacteriological as well as pathological material is presented and fresh specimens when available. 1 two-hour period. *(Four weeks). I or II.*
Assistant Professors LASH, BROWNE, Dr. MARYAN, Dr. LITT, Dr. HILL, Dr. KAPLAN, Dr. SUMMERVILLE.

ELECTIVE COURSES—THIRD YEAR

(Will not be given for less than 5 or more than 15 students)

50. *Toxemias of Pregnancy.—I.* (1.) Associate Professor FISCHMANN

51. *Cook County Hospital Ward Walk.*—
Assistant Professor LASH, Dr. KAPLAN

52. *Puerperal Sepsis.—II.* (1.) Assistant Professor BROWNE

53. *Sterility and Conception.—I or II.* (1.)
Assistant Professor Stone and Dr. Kobak

54. *Hemorrhages.*— Assistant Professor Newberger

Required Courses—Fourth Year

18. *Manikin.*—Obstetrical operations demonstrated and opportunity afforded to do the operation on the manikin under supervision and to become thoroughly familiar with the instruments and technique of such operations. Small groups and individual instruction. 1 two-hour period. *(Eight weeks.) I or II.*
Assistant Professors Hammond, Browne, Dr. Maryan

19. *Clinic.*—Research and Educational Hospital. *I or II.* (1.)
Professor Falls

Elective Courses—Fourth Year

(Will not be given for less than 5 or more than 15 students)

55. *Obstetrical Pathology.—I or II.* (1.) Dr. Maryan

56. *Heart Complications in Pregnancy.—I or II.* (1.) Dr. Swenson

57. *Manikin.—I or II.* (1.) Dr. Litt

58. *Review Course.—I or II.* (1.) Dr. Jacobson and Dr. Rose

Course for Graduates

101. *Research in Obstetrics and Gynecology.—One to three units.*
Professor Falls

GYNECOLOGY

Required Courses—Fourth Year

1. *Lecture and quiz.—I.* (1.)
Professor Falls, Associate Professor Fischmann, Assistant Professors Stone, Lackner, Lash, Browne; Dr. Hillebrand, Dr. Lifvendahl.

4. *Seminar.—I. (Eight weeks.)* (1.)
Assistant Professor Lang, Dr. Bacon, Dr. Jacobson, Dr. Kaplan

7. *Clinic.*—Cook County Hospital. Operative and demonstration course. 1 two-hour period. (1.) Professor Falls

15. *Clinic Dispensary.*—Small groups instructed in history taking and physical examinations; treat minor gynecological complaints under supervision. 3 two-hour periods. *(Three weeks.)* (1.)
Assistant Professors Lang, Stone, Lash, Dr. Kobak, Dr. Granger, Dr. Summerville, Dr. Hill.

16. *Gynecological Laboratory.*—(See Obstetrics 16.) 1 two-hour period. *(Four weeks.) I or II.*
Assistant Professors Lash, Browne; Dr. Maryan, Dr. Litt, Dr. Hill, Dr. Kaplan, Dr. Summerville.

Elective Courses—Fourth Year

50. *Pelvic Neoplasms.—II.* (1.) Associate Professor Fischmann

51. *Pelvic Inflammation.—I.* (1.) Assistant Professor Stone

52. *Uterine Hemorrhages.—I.* (1.) Assistant Professor Lash

53. *Menstrual Disorders.—I or II.* (1.) Dr. Summerville

54. *Operative Gynecology.—II.* (1.) Professor Falls

56. *Preoperative and Post-operative Gynecological Treatment.—I.* (1.)
Assistant Professor Lang

57. *Gynecological Diagnostic Methods.—I or II.* (1.)
Assistant Professor Lackner

OPHTHALMOLOGY

Associate Professor BEARD; Assistant Professors SMITH, FOLK; Dr. WOLF, Dr. KAUFMAN, Dr. APPLE.

REQUIRED COURSES—FOURTH YEAR

1. *Clinic and Dispensary.*—Includes normal and pathological anatomy of the eye, practice in the use of ophthalmoscope, perimeter, focal light and test charts, and study of eye diseases which the general practitioner most frequently encounters. 5 two-hour periods. *(Four weeks.) I or II.*
Assistant Professor FOLK, Dr. WOLF

2. *Didactic Ophthalmology.*—Illustrated lectures and quizzes. *I.* (1.)
Associate Professor BEARD, Assistant Professor FOLK

For Physician's Courses see page 39.

ORTHOPAEDICS

Professor THOMAS; Assistant Professors HARK, MURPHY; Dr. MARSHALL, Dr. FISCHER, Dr. LAMBERT, Dr. ROSS, Dr. MULLEN, Dr. SCUDERI.

REQUIRED COURSES—THIRD YEAR

3. *Practice.*—Conferences, recitations. *II.* (1.)
Professor THOMAS, Assistant Professors HARK, MURPHY; Dr. MARSHALL, Dr. FISCHER, Dr. LAMBERT, Dr. ROSS, Dr. MULLEN, Dr. SCUDERI.

5. *Clinic.*—1 two-hour period. *I and II.*
Professor THOMAS, Assistant Professor HARK

15. *Clinic.*—3 two-hour periods. *(Three weeks.) I or II.*
(a) *Dispensary.*—
Professor THOMAS, Assistant Professors HARK, MURPHY; Dr. MARSHALL, Dr. FISCHER, Dr. LAMBERT, Dr. ROSS, Dr. MULLEN, Dr. SCUDERI.
(b) *Physiotherapy.*—Theory: Electrotherapy, hydrotherapy, mechanicotherapy, massage, muscle re-education. Practical demonstration.

ELECTIVE COURSES—FOURTH YEAR

50. *Special Topics in Surgery of Joints.*—Operative management of injuries, infections and tumors of the extremities and spinal column. *I or II.* (1.)
Professor THOMAS, Assistant Professor HARK

51. *Surgery of Bones and Joints.*—Cadaver demonstrations of operations for the reconstructions of extremity deformities; malunion and nonunited fractures; bone transplants and fusions in Pott's disease and in fractured spines; reconstruction in fractured hips; operations following infantile paralysis. *I or II.* (1.)
Professor THOMAS, Dr. LAMBERT

SPECIAL PHYSIOTHERAPY INSTRUCTION

Clinic, Dispensary and Practice. Nurses, teachers and physical education graduates; a practical course for men and women interested in teaching crippled children and physical rehabilitation in special schools or industrial work. Registration limited. Fee for four month period $50.00.

COURSE FOR GRADUATES

101. *Research in Orthopaedics.—One to three units.* Professor THOMAS

For Physician's Courses see page 39.

PATHOLOGY AND BACTERIOLOGY

Professors Davis, Petersen, Arnold; Associate Professor Pilot; Assistant Professors Levinson, Shaughnessy, Saphir, Nedzel; Dr. Ladd, Dr. Rappaport, Dr. Beach, Dr. Milles, Dr. Kremer, Dr. Learner, Mr. McDaniels, Miss Kleppe, Miss Clark.

Required Courses—Second Year

1. *General Bacteriology and Protozoology.*—Lectures, demonstrations; 3: laboratory; 6 hours. *I.*
Professor Arnold, Assistant Professor Nedzel and assistants

2. *General Pathology and Pathological Histology.*—Lectures, recitations, demonstrations; 3: laboratory; 9 hours. *II.*
Professor Petersen, Associate Professor Pilot, Assistant Professor Levinson and assistants.

4. *Clinical Pathology.*—Chemical and microscopical examination of urine, feces and blood, with emphasis on technique. Lectures and demonstrations; 1: laboratory; 4. *II.* Assistant Professor Levinson, Mr. Mac Fate and assistants

5. *Preventive Medicine.*—General principles of prevention of disease. Epidemiology. *I.* (2.) Professor Arnold and assistants

Required Courses—Third Year

24. *Autopsies.*—Routine postmortem examinations, practical work and demonstrations. 1 two-hour period. *I or II.*
Assistant Professor Levinson, Dr. Milles and assistants

25. *Special Pathology.*—Gross and microscopic examination of pathological material, postmortem bacteriology and experimental pathology. 1 three-hour period. *II.*
Associate Professor Pilot, Assistant Professor Saphir, Dr. Milles, Dr. Learner and assistants.

Required Course—Fourth Year

29. *Industrial Hygiene and Public Health.*—Industrial and occupational diseases; control and prevention. *II.* (2.) Professor Arnold, Dr. Beach

Elective Courses

(Open only to properly qualified students. Time to be arranged.)

51. *Advanced Work and Research.*— Professors Davis, Petersen, Arnold

52. *Industrial Hygiene.*— Professor Arnold, Dr. Beach

53. *Advanced Work in Public Health.*— Professor Arnold

55. *Diagnosis of Tumors.*—
Professor Petersen, Associate Professor Pilot, Dr. Milles

56. *Legal Medicine.*— Assistant Professor Levinson

Courses for Graduates

101. *Advanced Pathogensis.*—Pathology and Bacteriology. *One or two units.*
Professors Davis, Petersen, Arnold

105. *Individual Research.—One or two units.*
Professors Davis, Petersen, Arnold

PEDIATRICS

Professors HESS, IRISH, BLATT; Assistant Professors BOWER, CALVIN, ROSENBLUM, BOROVSKY, PONCHER; Dr. GOLDBERGER, Dr. CHAMBERLAIN, Dr. ROBINS, Dr. SALTIEL, Dr. GREENGARD, Dr. BRONSTEIN, Dr. FURBY, Dr. COHEN, Dr. LEVIN, Dr. PAUKER, Dr. GASUL, Dr. HALPERN, Dr. LEICHENGER, Dr. SULDANE, Dr. HOFFMAN, Dr. TIGAY, Dr. PADNOS.

REQUIRED COURSES—THIRD YEAR

1. *Practice and Clinic.*—Nutrition and nutritional disturbances in infancy. Lectures; clinical conferences. *I.* (1.) Professor HESS

4. *Practice.*—Recitations. *II.* (1.) Professor IRISH and assistants

5. *Clinic.*—Cook County Hospital. *(Eight weeks.) I or II.* (1.) Assistant Professor CALVIN

6. *Clinic.*—Cook County Hospital. *(Eight weeks.) I or II.* (1.) Assistant Professor ROSENBLUM

9. *Clinic.*—Cook County Hospital. Contagious diseases. *(Four weeks.) I or II.* (2.) Assistant Professor BOWER, Dr. LEICHENGER and Dr. GASUL

ELECTIVE COURSES—THIRD YEAR

50. *Physical Diagnosis in Childhood.—(Eight weeks.) I or II.* (1.) Dr. SALTIEL

51. *Syphilis and Gonorrhea in Childhood.*— Dr. HOFFMAN

52. *Tuberculosis in Childhood.*—(Also open to seniors.) Dr. GREENGARD

REQUIRED COURSES—FOURTH YEAR

10. *Clinic.*—Dispensary; Research Hospital. 3 two-hour periods. *(Four weeks.) I or II.* DISPENSARY STAFF

12. *Clinic.*—Cook County Hospital. 1 two-hour period. *I or II.* Professor HESS

13. *Clinic.*—Cook County Hospital. Physical diagnosis and demonstration of cases. 1 two-hour period. *(Eight weeks.) I or II.* Professor IRISH

14. *Clinic.*—Cook County Hospital. 1 two-hour period. *(Eight weeks.) I or II.* Professor BLATT

ELECTIVE COURSES—FOURTH YEAR

61. *Tuberculosis in Childhood.—(Eight weeks.). I or II.* (1.) Dr. GASUL

62. *Clinical Pediatrics.*—Research Hospital. *I or II.* (1.) Assistant Professor PONCHER

63. *Laboratory Diagnosis.*—Research Hospital. 1 two-hour period. *(Eight weeks.) I.* Assistant Professor PONCHER

66. *Pediatrics.*—Mental Hygiene in infancy and childhood. *(Eight weeks.) II.* (1.) Professor SCHROEDER

COURSE FOR GRADUATES

101. *Research in Pediatrics.—One to three units.* Professor HESS

PHARMACOLOGY, MATERIA MEDICA AND THERAPEUTICS

Professors McGUIGAN, FANTUS; Associate Professor CAMP; Mr. EWING, Dr. MUEHLBERGER, Dr. HIGGINS; Mr. TERRY, Mr. GANT.

REQUIRED COURSES—SECOND YEAR

(*Prerequisites:* Physiology, Course No. 4, or equivalent; Physiological Chemistry, Course No. 6, or equivalent.)

1. *Pharmacology.*—Lectures; 3: laboratory; 6. *I.*
Professor McGUIGAN, Associate Professor CAMP, Mr. EWING, Dr. HIGGINS, Mr. TERRY.

4. *Pharmacology.*—Lectures or quizzes; 2: laboratory; 2. *II.*
Professor McGuigan, Associate Professor Camp, Mr. Ewing, Dr. Muehlberger, Dr. Higgins, Mr. Terry.

Required Course—Third Year

5. *Therapeutics.*—*I.* (2.) Professor McGuigan, Professor Fantus

Elective Courses

(*Minimum registration:* 5 students for each course)

50. *History of Pharmacology and Toxicology.*—Review of modern books pertinent to the subject. Professor McGuigan, Associate Professor Camp

51. *Materia Medica.*—Prescription writing.
Professor McGuigan, Associate Professor Camp

52. *Toxicology.*— Professor McGuigan, Associate Professor Camp

53. *Systemic Pharmacology.*—(a) Eye, (b) digestive systems, (c) respiratory system, (d) autonomic nervous system, (e) blood, (f) circulatory organs, heart and kidneys. Professor McGuigan, Associate Professor Camp

54. *Fundamental Principles of Therapy.*— Professor Fantus

Courses for Graduates

101. *Advanced Pharmacodynamics.—One or two units.*
Professor McGuigan, Associate Professor Camp

103. *Research in Pharmacodynamics.—One or two units.*
Professor McGuigan, Associate Professor Camp

PHYSIOLOGICAL CHEMISTRY

Professor Welker; Associate Professor Bergeim; Assistant Professor Cole; Dr. Johnson, Mr. MacFate, Miss Briggs, Mr. Harvey.

Required Course—First Year

51. *Physiological Chemistry and Toxicology.* — Lectures, demonstrations, conferences; 3: laboratory; 8. *I.*
Professor Welker, Associate Professor Bergeim, Assistant Professor Cole, Dr. Johnson, Miss Briggs, Mr. Harvey and assistants.

Elective Courses

(*Prerequisite:* Course 51.)

60. *Special Topics in Biochemistry.* — Blood analysis. Vitamine studies. Methods and clinical significance. Associate Professor Bergeim

61. *Physical and Colloid Chemistry.*—The elements of physical and colloid chemistry and their application to biology and medicine, with emphasis on the chemistry of the proteins. Assistant Professor Cole

62. *Preparation of Pure Proteins.* Professor Welker

Biochemical Seminar.—The members of the teaching staff and graduate students in physiological chemistry meet weekly to discuss the current literature.

Research.—The laboratories are open to qualified persons for the conduct of original investigations under the direction of the staff.

Courses for Graduates

101. *Advanced Biological Chemistry.*—Biochemical methods of research, biological colloids, enzyme action and metabolism.—*One or two units.*
Professor Welker, Associate Professor Bergeim

103. *Biochemical Research.—One or two units.*
Professor Welker, Associate Professor Bergeim

PHYSIOLOGY

Professors VISSCHER, BACHEM; Assistant Professor REED; Mr. SMITH; Dr. DECHERD, Dr. INGRAHAM; Mr. DILLMAN, Mr. BURNS, Mr. PETERS.

REQUIRED COURSE—FIRST YEAR

4. *Human Physiology.*—The function of the several tissues and organs and the correlation and regulation of their activities in the human organism. Lectures, conferences, demonstrations and laboratory. *II.* (7.)
Professor VISSCHER and staff

REQUIRED COURSE—SECOND YEAR

5. *Human Physiology.*—Continuation of Physiology 4. *I.* (8.)
Professor VISSCHER and staff

ELECTIVE COURSES

(*Prerequisites:* Open only to qualified students.)

52. *The Physiology of the Heart.*— Professor VISSCHER

54. *The Physiology of the Alimentary Tract.*— Assistant Professor REED

56. *Physiological Effects of Radiations.*— Professor BACHEM

Physiological Seminar.—Recent research in special fields is presented by the students and is discussed and criticized by them and by the staff.

Research.—The laboratories are open to persons with the requisite training for original investigations under the direction of the staff.

COURSES FOR GRADUATES

101. *Advanced Physiology.—One or two units.* Professor VISSCHER

102. *Research in Physiology.—One to three units.* Professor VISSCHER

103. *Research in Bio-Physics.—One to three units.* Professor BACHEM

SURGERY

Professor HEDBLOM, *Head of Department*

GENERAL SURGERY

Professors HEDBLOM, HUMISTON, PERCY, DYAS, PHIFER, DE TARNOWSKY, MOOREHEAD; Associate Professor POST; Assistant Professors BAMBERGER, DAVENPORT, NADEAU, MCARTHUR, JIRKA, JONES, METZ, KOUCKY, SEED, CRILE, KORDENAT, MORA, MALCOLM, OLDBERG; Dr. ZECHEL, Dr. KRONENBERG, Dr. JOANNIDES, Dr. STEPHENS, Dr. WALLACE, Dr. SARMA, Dr. PUESTOW, Dr. GRAHAM, Dr. WERNICKE, Dr. VAN HAZEL, Dr. MEYER, Dr. ODEN, Dr. WILLIS, Dr. STEIN, Dr. DELANO, Dr. ALMQUIST, Dr. MARSHALL, Dr. LITTIG, Dr. PERTZOFF, Dr. BRAUDE, Dr. PARKER, Dr. BROWN, Dr. DRUECK, Dr. RUBIN, Dr. ALCORN, Dr. POPPEN.

REQUIRED COURSE—SECOND YEAR

1. *Fundamental Principles of Surgery.*—Asepsis, Anaesthesia, Shock, Hemorrhage, Septicemia, Surgery of the Skin, Blood Vessels and Lymphatics, and Surgical Dressings. *II.* (2.) Professor HEDBLOM and staff

REQUIRED COURSES—THIRD YEAR

2. *Regional Surgery and Surgical Pathology.*—Conferences, demonstrations, recitations. *I and II.* (2.)
Professor PHIFER, Associate Professor POST; Assistant Professors BAMBERGER, SEED.

5. *Surgical Diagnosis.*—Research and Educational Hospital. *I or II.* (1.)
Professor HEDBLOM

6. *Clinic.*—Research and Educational Hospital. 1 two-hour period. *(Eight weeks.) I or II.* Assistant Professor MALCOLM

7. *Clinic.*—Dispensary, Research and Educational Hospital. History taking, Diagnosis, Minor Surgery and Surgical Dressings. 3 two-hour periods. *(Three weeks.) I or II.*
Assistant Professors BAMBERGER, KORDENAT, MORA; Dr. KRONENBERG, Dr. SARMA, Dr. WALLACE; Dr. ALMQUIST, Dr. DELANO, Dr. PERTZOFF, Dr. VAN HAZEL, Dr. BROWN, Dr. DRUECK, Dr. RUBIN.

11. *Clinic.*—Cook County Hospital. 1 two-hour period. *(Eight weeks.) I or II.*
Professor DYAS

13. *Clinic.*—Augustana Hospital. 1 two-hour period. *(Eight weeks.) I or II.*
Professor PERCY

ELECTIVE COURSES—THIRD YEAR

50. *Principles of Surgery*—A review course. *I or II.* (2.)
Assistant Professor MORA, Dr. PARKER

53. *Surgery of Fractures.—I or II.* (2.) Assistant Professor MALCOLM

55. *Blood Transfusion, Surgical Dressings, and Bandaging.*—Individual instruction and demonstration. *I.* (1.) Assistant Professor KORDENAT

75. *Surgical Diagnosis.—I and II.* (1.) Dr. JOANNIDES, Dr. MEYER

REQUIRED COURSES—FOURTH YEAR

20. *Clinic.*—Research and Educational Hospital. *I and II.* (1.)
Professor HEDBLOM

23. *Clinic.*—Research and Educational Hospital. 1 two-hour period. *(Eight weeks.) I or II.*
Dr. PUESTOW

24. *Clinic.*—Cook County Hospital. 1 two-hour period. *(Eight weeks.) I or II.*
Professor DYAS

25. *Clinic.*—Washington Boulevard Hospital. 1 two-hour period. *(Eight weeks.) I or II.*
Assistant Professor METZ

26. *Surgical Pathology.*—Laboratory. 1 two-hour period. *(Eight weeks.) I or II.*
Assistant Professor NADEAU

27. *Oral Surgery.*—1 two-hour period. *(Four weeks.) I or II.*
Professor F. W. MOOREHEAD

28. *Clinic.*—Research Hospital. 1 two-hour period. *(Eight weeks.) I or II.*
Professor DE TARNOWSKY

32. *Clinic.*—Augustana Hospital. 1 two-hour period. *(Eight weeks.) I or II.*
Professor PERCY

34. *Clinic.*—Research and Educational Hospital. 1 two-hour period. *(Eight weeks.) I or II.*
Assistant Professor OLDBERG

36. *Clinic.*—Cook County Hospital. 1 two-hour period. *(Eight weeks.) I or II.*
Assistant Professor JIRKA

ELECTIVE COURSES—FOURTH YEAR

51. *Regional Surgery.*—A review course. *I.* (2.)
Assistant Professor MORA, Dr. PARKER

52. *Surgical Diagnosis.—II.* (1.) Dr. GRAHAM, Dr. BRAUDE

54. *Preoperative and Post-operative Treatment.—I.* (1.) (Minimum number, 6 students.)
Assistant Professor NADEAU

58. *Surgery of the Central Nervous System.—I or II.* (1.)
Assistant Professor OLDBERG

59. *Surgery of the Neck.—II.* (1.) Assistant Professor SEED

60. *Surgery of the Thorax.—I or II.* (1.)
Professor HEDBLOM, Dr. VAN HAZEL

63. *Principles and Practice of Anaesthesia.—I.* (1.) Dr. LITTIG

65. *Surgical Diagnosis.—I or II.* (1.) Dr. STEPHENS

66. *Clinic.*—Surgical diagnosis. 1 two-hour period. *I or II.*
Assistant Professor CRILE

68. *Operative Surgery on Animals.*—1 two-hour period. *II.*
Assistant Professor KOUCKY

70. *Research on assigned problems to those qualified.*
Professor HEDBLOM and staff

73. *Treatment of Fractures.—I.* (1.) Professor DE TARNOWSKY

74. *Neurological Surgery.—I.* (1.) ————

75. *Regional Surgical Anatomy.—I or II.* (1.) Dr. ZECHEL

76. *Operative Surgery.—I.* (1.) Dr. PUESTOW

77. *Surgical Technic.—II.* (1.) Dr. PUESTOW

COURSE FOR GRADUATES

101. *Research in Surgery.—One to three units.* Professor HEDBLOM

GENITO-URINARY SURGERY

Professor McKENNA; Assistant Professors HERROLD, O'CONOR; Dr. EWERT, Dr. PLATIN, Dr. GERNON, Dr. McNALLY.

REQUIRED COURSES—THIRD YEAR

3. *Practice.*—Conferences, recitations. *I.* (1.)
Assistant Professors HERROLD, O'CONOR; Dr. EWERT

5. *Clinic.*—Dispensary. 3 two-hour periods. *(Three weeks.) I or II.*
Professor McKENNA; Dr. PLATIN, Dr. EWERT, Dr. McNALLY, Dr. GERNON.

REQUIRED COURSES—FOURTH YEAR

12. *Clinic.*—Washington Boulevard Hospital. 1 two-hour period. *(Four weeks.) I or II.* Assistant Professor O'CONOR

13. *Clinic.*—Research and Educational Hospital. Individual instruction in the diagnosis of genito-urinary diseases, including cystoscopy, catheterization of ureters, interpretation of roentgenograms and of chemical and microscopical urinalyses. 1 two-hour period. *(Four weeks.) I or II.* Professor McKENNA

ELECTIVE COURSE—FOURTH YEAR

51. *Surgery of the Genito-urinary Tract.—I or II.* (1.)
Professor McKENNA, Assistant Professor O'CONOR

SPECIAL COURSES FOR PHYSICIANS

The following courses are open to physicians with degrees from recognized institutions. In all cases the approval of the head of the department concerned must be secured. The registration is conducted in the office of the Recorder and Examiner and the fees are payable in advance at the Business Office:—

ANATOMY

60. *Anatomy Dissection.*—This course for physicians and surgeons only, provides for complete or partial dissection of the human cadaver. The length

of the course does not exceed four months and is limited to the spring and summer periods until more space is available. Special instruction is given only if four or more persons are taking the course at the same time, and if they desire it. The fee for four months is $100.00, and may be shared by two students.

NEURO-PSYCHIATRY

80. *Clinical Course.*—Designed to present methods of examination and indications for treatment. Includes attendance at clinics and ward rounds, work in Anatomy, Physiology, Pathology, Serology, etc. Hours to be arranged. Registration limited. Fee for four months' period, $50.00.

OPHTHALMOLOGY

80. *Clinical Course.*—Designed for those who wish to take up ophthalmology as a specialty. Only one process is studied at a time. Processes taught are: *I.* Determination of Central Visual Acuity, Neutralization of Lenses, Retinoscopy, Refraction (with Cycloplegia and without), Tonometry, Determination of Degrees of Strabismus or Paralysis, Types of Discs (Elschnig's Classification); *II.* Measurements of Disc Levels, Perimetry, Objective Findings in External and Fundus Diseases, Case-History Writing and Diagnosis, Prognosis, and Treatment of a given case as a whole. This course extends over three periods of four months each, and no applicant is accepted for registration for less than the full twelve months. Pathology is taken with undergraduate students. Hours: 9 to 12 a.m., 6 days per week.

The fee for each period of four months is $50.00. The Staff

81. *Pathology of the Eye.—(Four months.)* Hours to be arranged. *I or II.*
Associate Professor Beard

ORTHOPAEDICS

80. *Clinical Course.*—Designed to present and show the importance of examination and systematic development of indications. Includes, (a) Attendance at clinics and ward rounds, (b) Operative orthopaedic surgery on cadavers, (c) Assistance at operations, (d) Work in pathology. psychiatry, general surgery, physiotherapy, neurology, serology, etc. Hours to be arranged. Registration limited. Fee for 4 months period, $50.00. The Staff

ROENTGENOLOGY

80. *Clinical Course.*—Designed for those desiring to take up roentgenology as a specialty. Includes theoretical and practical teaching of the use of roentgen rays and radium for diagnosis and treatment. Offers opportunity to observe the technique of all standard roentgen examinations. Instruction given in interpreting findings on films and fluoroscopic screen and in the application of radiation to superficial and deep lesions. Extends over two semesters of four months each and no applicant is accepted for less than the full period. Number limited. Hours: 8:30 to 12 a.m., 2 to 5 p.m. Fee for each semester, $100.00
The Staff

OTOLARYNGOLOGY

80. *Clinical Assistantship.*—This course is primarily intended for Post-Graduates in the Department of Otolaryngology. It is designed to present standardized methods in diagnosis and the problems of treatment based upon the pathological findings of cases in the ambulatory clinics of the Research and Educational Hospital. Case history taking, methods of examinations, special anatomy (optional),* gross pathology and indications for treatment and operation are stressed. The work is done for the most part independently under proper supervision and direction. An effort is made to assist the students in

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*The work in special anatomy must be arranged for separately. An extra fee is charged for laboratory material.

some of the more difficult phases of their clinical work by practical demonstration courses, which are also available as review courses for men already established in special practice. The course extends over a period of four months and for three periods a year. The fee for each period of four months is $100.00. Hours: 10 to 12 a.m. and 2 to 4 p.m., six days a week. THE STAFF

81. *Functional Tests of the Ear.*—(a) Cochlear apparatus with special consideration of the use of tuning forks; (b) Vestibular apparatus with special reference to the caloric, rotatory and galvanic tests. 10 hours. Minimum, 2 students. Fee, $25.00. Assistant Professor J. J. THEOBALD, Dr. S. L. SHAPIRO

82. *Tuberculosis of the Larynx.*—Municipal Tuberculosis Sanitarium. Demonstration upon patients of typical aspects of the disease with exact description of differential diagnosis and method of therapy. 10 hours. Limited to two students. Fee, $25.00. Associate Professor LEDERER

83. *Intubation and Tracheotomy.*—Municipal Contagious Disease Hospital. Demonstration upon patients with discussion of indications and treatment; manikin practice. 12 hours. Limited to two students. Fee, $50.00.
Associate Professor LEDERER

84. *Histopathology of the Ear, Nose and Throat.*—Demonstration of gross and microscopic specimens; laboratory technique. 20 hours. Limited to 2 students. Fee, $50.00. Dr. FOX, Dr. SPIESMAN

85. *Bronchoscopy and Esophagoscopy.*—Research Hospital. Demonstration of methods of examination, indications and contraindications; manikin practice; technique of bronchography. 12 hours. Limited to two students. Fee, $50.00.
Associate Professor LEDERER

86. *Otoneurology.*—Vestibular apparatus in relation to labyrinthine disease, brain tumors and head injuries. 10 hours. Limited to 5 students. Fee, $25.00.
Dr. S. L. SHAPIRO

87. *Surgical Anatomy and Surgery of the Mastoid.*—Demonstration of specimens and technique of operation. Practice on the cadaver. 10 hours. Limited to 2 students. Fee, $50.00.
Associate Professor LEDERER, Dr. A. C. KANE

88. (a) *Surgical Anatomy of the Nose and Sinuses.*—

(b) *Clinical Aspects of Sinus Disease.*—10 hours. Minimum registration, 2 students. Fee, $25.00.
Assistant Professor W. H. THEOBALD, Dr. VAN ALYEA, Dr. L. FISHMAN

Note: Courses 81 to 88, inclusive, may be registered for individually or in groups, the time being arranged for with the instructors. Applicants must be graduates of a Class A medical school and present proper credentials acceptable to the chairman of the department for admission.

89. *Otolaryngological Seminar.* — Presentation and discussion of clinical cases; critical reviews of results of investigations and current literature. Weekly conferences. THE STAFF

PROVISIONAL SUMMARY OF HOURS

FIRST YEAR

Subjects	First Semester		Second Semester		Total
	Didactic	Laboratory	Didactic	Laboratory	
Anatomy, Gross	48	96	48	96	288
Histology	24	48	24	48	144
Embryology	12	24	12	24	72
Neurology	12	24	12	24	72
Chemistry (Physiological)	48	128	..	..	176
Physiology	..	..	64	48	112
	144	320	160	240	864

SECOND YEAR

Subjects	First Semester		Second Semester		Total
	Didactic	Laboratory	Didactic	Laboratory	
Bacteriology	48	96	..	..	144
Hygiene	..	..	32	..	32
Medicine	16	..	32	..	48
Physical Diagnosis	..	..	16	32	48
Obstetrics	..	..	16	..	16
Pathology	..	..	48	144	192
Clinical Pathology	..	..	16	64	80
Pharmacology	48	96	32	32	208
Physiology	64	64	..	..	128
Surgery	..	..	32	..	32
	176	256	224	272	928

PROVISIONAL SUMMARY OF HOURS (Continued)

THIRD YEAR

Subjects	First Semester		Second Semester		Total
	Didactic	Clinical and Laboratory	Didactic	Clinical and Laboratory	
Anatomy, Topographic	..	64	..	..	64
Autopsies	..	16	..	16	32
Pathology, Special	..	..	..	48	48
Criminology 5	..	..	16	..	16
Dermatology	16	..	16	..	32
Medicine	32	98	32	82	244
Neurology	..	..	16	..	16
Obstetrics	32	17	32	17	98
Otolaryngology	16	17	16	17	66
Pediatrics	16	12	16	12	56
Psychiatry 6	..	..	16	..	16
Therapeutics	32	..	..	..	32
Surgery	32	50	32	50	164
Genito-urinary Surgery	16	9	..	9	34
Orthopaedic Surgery	..	25	16	25	66
Electives	32	..	32	..	64
	224	308	240	276	1048

FOURTH YEAR

Subjects	First Semester		Second Semester		Total
	Didactic	Clinical and Laboratory	Didactic	Clinical and Laboratory	
Dermatology	16	6	16	6	44
Gynecology	20	21	20	21	82
Hygiene	..	32	..	..	32
Jurisprudence	..	..	16	..	16
Medicine	16	104	32	104	256
Neurology	..	24	..	40	64
Obstetrics	..	20	..	20	40
Ophthalmology	16	20	..	20	56
Otolaryngology	..	8	..	8	16
Pediatrics	..	44	..	44	88
Psychiatry	..	12	..	12	24
Roentgenology	32	12	..	..	44
Surgery	..	84	..	84	168
Genito-urinary Surgery	..	8	..	8	16
Electives	88	..	88	..	176
	188	395	172	367	1122

COLLEGE ORGANIZATIONS

ALUMNI ASSOCIATION OF THE COLLEGE OF MEDICINE OF THE UNIVERSITY OF ILLINOIS

President—Jos. Zabokrtsky, '01, 31 N. State St., Chicago.
President-Elect—Vandy F. Masilko, '00, 2524 S. Keeler Ave., Chicago.
First Vice-President—H. W. Woodruff, '92, Heggie Bldg., Joliet, Ill.
Second Vice-President—Stephen Cahara, '11, 114 Grand Ave., Milwaukee, Wis.
Third Vice-President—I. M. Brown, '88, New London, Wis.
Secretary-Treasurer—Edward Louis Heintz, '01, 432 S. Lincoln St., Chicago.
Necrologist—F. H. Renberg, '05, 3037 Wentworth Ave., Chicago.
Member Executive Committee—Arthur V. DeNeveau, '03, Johnson Emergency Hospital, Milwaukee, Wis.

Alumni Councillors—John M. Krasa, '13, 3335 W. 26th St., Chicago.
Wm. Harcourt Browne, '23, 2051 Sedgwick St., Chicago.
M. Robert Weidner, Jr., '27, 417 Lincoln St., Dalton, Ill.
Henry McMunn Voris, '03, 1601 N. 46th St., East St. Louis, Ill.
Isadore Pilot, '17, 2551 N. Clark St., Chicago.
R. W. McNealy, '10, 30 N. Michigan Ave., Chicago.
C. B. Voight, '00, 1702 Broadway, Mattoon, Ill.
Tom B. Knox, '02, Quincy, Ill.
*Goldye Hoffman, '15, 3248 Douglas Blvd., Chicago.
Paul Urmston, '03, Bay City, Michigan.
Ralph King, '16, Olney, Ill.
C. C. Clement, '06, 30 N. Michigan, Chicago.
F. B. Langdon, '15, 1022 Bankers' Trust Bldg., Des Moines, Iowa.
F. J. Kotalik, '13, 6348 W. 26th St., Berwyn, Ill.
J. K. Chorlog, '07, 301 S. Pickney, Madison, Wis.
C. J. Besta, '26, 2354 S. St. Louis Ave., Chicago.

Alpha Omega Alpha

Alpha Omega Alpha, an international honorary medical fraternity, with chapters in fifty-six "Class A" medical schools, was founded in the College of Medicine in 1902.

Third and fourth year medical students who have a grade of scholarship ranking them in the upper one-sixth of their class are eligible for membership.

Group II.—Class of 1932

Rudolph Hecht
David Smeaton Jaffray
Emanuel A. Kominik
David Lerner
Ben W. Lichtenstein
David Sidney Miller
Arthur Schwartz
Lorin Dixon Whittaker

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*Deceased.

GROUP I.—CLASS OF 1933

MELVIN COHEN	ALLEN J. ZIMRING
DAVID B. RADNER	NATHAN ZOLT
JACK WELTY	

PI KAPPA EPSILON

An Honorary Fraternity to which members are selected on a basis of character, personality and professional qualities.

CLASS OF 1933

PAUL B. BAUER	WILLIAM ROBERT SLADEK
HOWARD RUSSELL MILLER	ALBYN GARRETT WOLFE
JOSEPH ALOYSIUS PATKA	

CLASS OF 1934

GEORGE HICKMAN BURKHART	JOHN WILLIAM FRICKE
FRANK BENSON DEARDORF	ROBERT WAGNER GLENN
NOEL JOHN HERSHEY	

COLLEGE OF MEDICINE OF THE UNIVERSITY OF ILLINOIS CHAPTER OF THE SOCIETY OF THE SIGMA XI

In the Spring of 1928 the Society of the Sigma Xi granted a charter for the organization of a chapter at the College of Medicine of the University of Illinois. The Society has for its object the promotion of research.

OFFICERS FOR 1932-33

Dr. C. S. WILLIAMSON, President; Dr. W. J. R. CAMP, Vice-President; Dr. W. H. WELKER, Secretary; Dr. I. PILOT, Treasurer; Dr. O. F. KAMPMEIER, Dr. H. A. McGUIGAN, Dr. D. J. DAVIS, Elective Members of the Executive Committee.

ELECTED TO ACTIVE MEMBERSHIP

Dr. G. VON BONIN, *Associate in Anatomy*
Dr. B. FANTUS, *Professor of Therapeutics*
Dr. S. J. HOFFMAN, *Instructor in Pediatrics*
Dr. J. D. KIRSHBAUM, *Assistant Resident Pathologist*
Dr. J. D. KOUCKY, *Assistant Professor of Surgery*
Dr. A. LEARNER, *Instructor in Pathology*
Dr. I. SCHOUR, *Associate Professor of Histology*
Dr. S. L. SHAPIRO, *Instructor in Laryngology, Rhinology and Otology*
Mr. P. W. SMITH, *Instructor in Physiology*
Dr. C. W. STUART, *Instructor in Pathology*
Dr. H. B. THOMAS, *Professor of Orthopaedics, Head of Department and Director of Orthopaedic Institute*

ASSOCIATE MEMBERS

Dr. I. P. BRONSTEIN, *Associate in Pediatrics*
Mr. H. S. BURNS, *Assistant in Physiology*
Miss R. I. CLARK, *Assistant in Clinical Pathology*

Miss C. V. Fisher, *Research Assistant in Pathology and Assistant in Bacteriology*
Mr. V. A. Gant, *Graduate Student*
Mr. G. E. Gilman, *Graduate Student*
Mrs. Z. L. Herndon, *Graduate Student*
Mr. T. M. Johnson, *Graduate Student*
Dr. S. Kaplan, *Instructor in Obstetrics and Gynecology*
Mr. A. H. Levine, *Graduate Student*
Miss E. Meyer, *Instructor in Bacteriology*
Mr. D. S. Miller, *Graduate Student*
Mrs. M. E. Milliken, *Graduate Student*
Mr. L. F. Moldavsky, *Graduate Student*
Mr. M. P. Orloff, *Graduate Student*
Mr. H. C. Peters, *Assistant in Physiology*
Mr. R. H. Puumala, *Graduate Student*
Mr. G. Ronstrom, *Graduate Student*
Mr. E. E. P. Seidmon, *Graduate Student*
Mrs. E. Teeters Woodruff, *Graduate Student*
Dr. E. C. Wach, *Associate in Therapeutics*
Mr. G. L. Webster, *Associate in Chemistry*

Papers Read before the Society, 1931-32

"Blood Chemistry Changes Associated with Migraine," Dr. W. F. Petersen.
"Syphilis of the Aorta or Comparative Racial Study," Dr. R. H. Jaffe.
"Changes in the Early Embryonic Venous System Incident to Changes in Position of the Heart," Dr. F. P. Reagan.
"Effect of Air Filtration on Seasonal Hay Fever and Asthma," Drs. B. Z. Rappaport, T. Nelson, and W. H. Welker.
"Histologic Studies on Meningitis," Dr. G. B. Hassin.
"Nitrogen Excretion of Obese Patients on Low Calorie Diet with High and Low Quantities of Protein," Dr. R. W. Keeton and Miss D. Dickson.
"The Effect of Heat Sterilization on the Activity of Dried Pollen Extract," Dr. B. Z. Rappaport.
"Studies on the Discharge of Bile in the Duodenum," Dr. C. B. Puestow.
"Alterations in Renal Response Following Denervation," Dr. G. Milles.
"New Studies on the Thyroid Gland," Dr. G. Zechel.
"The Histogenesis of the Valvular Lesions in Endocarditis Lenta (Subacute Bacterial Endocarditis)," Dr. R. H. Jaffe.

MEDICAL RESEARCH CLUB

The Medical Research Club, the object of which is the stimulation of scientific research, meets twice a month for the discussion of original scientific contributions. Since its organization in January, 1914, many papers have been presented before the society. The spirit of generous competition and helpful criticism that prevails in this club has been a stimulus toward the production of an increasing number of valuable scientific contributions.

Graduate students and others giving promise of doing meritorious work are eligible to associate membership. Associate members have all the rights and privileges of the club except the right to vote.

ELECTED TO HONORARY MEMBERSHIP

WILLIAM C. ROSE, Ph.D., *Professor of Physiological Chemistry, University of Illinois.*

PAPERS READ BEFORE THE CLUB, 1931-32

"Blood Chemistry Changes Associated with Migraine," Dr. W. F. PETERSEN.

"Syphilis of the Aorta or Comparative Racial Study," Dr. R. H. JAFFE.

"Changes in the Early Embryonic Venous System Incident to Changes in Position of the Heart," Dr. F. P. REAGAN.

"Effect of Air Filtration on Seasonal Hay Fever and Asthma," Drs. B. Z. RAPPAPORT, T. NELSON, and W. H. WELKER.

"Histologic Studies on Meningitis," Dr. G. B. HASSIN.

"Nitrogen Excretion of Obese Patients on Low Calorie Diet with High and Low Quantities of Protein," Dr. R. W. KEETON and Miss D. DICKSON.

"Gastric Acidity Studies (Histamine)," Dr. M. H. STREICHER.

"The Reversibility of the Lobry de Bruyn Rearrangement with Some Odd-Carbon Sugars," Dr. W. C. AUSTIN.

"Relationship of Streptococcus Epidemicus to the Streptococcus Mucosus." Dr. I. PILOT.

"Self-Sterilizing Powers of the Skin, III. Carbohydrate Metabolism," Dr. T. CORNBLEET.

"The Influence of Saponin on the Gastro-Intestinal Bacterial Flora, Acid Base Balance and Permeability," Drs. L. ARNOLD, A. J. NEDZEL, and I. KAUFMAN.

"Hematoporphyrin," Dr. M. A. KAPLAN.

DEGREES CONFERRED

Degree of Doctor of Medicine

Roger Brandt Coglon, B.S.A. (July 1, 1931)
Sol Stein Kaufman, B.A., B.S. (July 1, 1931)
Lyle Burnside Knight, B.A. (July 1, 1931)
Irving Edward Kaveney, B.S. (September 1, 1931)
David Herman Lando, B.S. (September 1, 1931)
Louis Phillips (October 13, 1931)
Abel Cornelius Anthony, B.S. (October 17, 1931)
James Wilbur Moreland, (December 1, 1931)

Conferred January 1, 1932

David Merton Banen, B.S.
Irving Dreyer, B.S.
Janet Thayer Conley, B.S., M.S.
Jerome Gordon Finder, B.A., B.S., M.S.
Joseph Janofsky, B.S.
Frank Joseph Piszkiewicz, B.S.
Henry Abraham Siegal, B.S.
Abraham Simon
Frederick Steigmann, B.S.
Clifford Patrick Sullivan, B.S.
Martin Jerome Urist
Louis Stephen Varzino, B.S.
Waldo Waite Wynekoop, B.S.

Conferred January 18, 1932

Samuel Levine

CANDIDATES FOR M.D. DEGREE

Conferred June 14, 1932

Solomon J. Benensohn
Clara Helen Brezina
David Wanless Clotfelter
David Vernon Effron
Leo Leonard Thelen

Conferred June 15, 1932

Philip Kaplan
Paul Edgar Swanson

Conferred June 20, 1932

Maurice Maceo Shaw

Conferred June 28, 1932

Frank Alexander Latham

Conferred July 1, 1932

Henry Akina
Stephen Hedges Ambrose
Walter Hilmar Baer
Ransom Bright Baker
Andrew F. Barnett
Herbert Joseph Bell
Barbara Florence Benda
Charles Robert Bloom
Walter Scott Brown
Harry Burstein
Theodore Moffet Carow
Clifford Lewis Carter
Henry I. Chapman
David Cohen
George Lester Countryman
Elwood Hunter Cox
James Wesley Davis
Landis Young Davis
Edward Jack Denenholz
Edwin Frederick Dietrich
Henry Pickett Dorman
John B. Erich
Edward Graham Evans
Clifton Felts
Glenn Francis Fishel
William W. Fox
John Courier Garland
William James Gillesby
Robert Joseph Glenner
Harry Robert Charles Groppe
Lars Freman Gulbrandsen
Robert Wesley Hallenberg
Stephen John Hansen
Theodore Hartley
Alfred Helmer Herman
Ernest Joseph Hofer
Bernard Horwitz
Theodore R. Hudson
Mark Jacob Hughes
Richard Paul Johnson
Hyman Joseph Kaplan
Morris Aaron Kaplan
Charles Herman Kaufman
Irving Kaufman
Roy Leslie Kenward
Reuben Klein
Frederick Otto Kuehl
David James Kweder

Eugene George Lipow
James Francis Merritt
Sidney David Mesirow
Emil Otto Muhs
Arthur Christian Neeseman
Robert Henry Newell
William A. Nye
Harold Forest Oakes
Roger Ralph Olsen
Sydney Price
Gunnar Quisling
Ralph Quisling
Samuel Reznick
Harold Xavian Rubin
Doran Therman Rue
Meyer Irving Saberman
Ivan M. Sandberg
Paul Dominic Sanfilippo
Milton Charles Schell
John Andrew Schindler
Karl William Schlegel
Kenneth H. Schnepp
Edgar Albert Schoenecker
William Jack Schutz
Louis Bernard Shapiro
Eugene Henry Silverstone
Charlotte H. Singer
Francis Kirk Smith
Russell Lee Smith
Conrad Samuel Sommer
Maurice Joseph Spiegel
Everett Lee Strohl
Louis Arlington Terman
Theodore John Wachowski
Arthur D. Wilson
Lester Melvin Woodford
John Francis Wixted
Howard Zeitlin

THE DEGREE OF BACHELOR OF SCIENCE

Conferred Oct. 13, 1931

Albert Nefsky
Harry S. Bezman
Francis Anthony Cirrincione
Willard Edwin Shinglman
Sam Sigmund Gittlestein

Conferred Feb. 6, 1932

Bruce Ned Balding
Maurice Loren Becker
Alexander Oscar Birgerson
Casimir Demski
Helen Octavia Dickens
Howard George Diesner
Sam Holtzman
Kenneth Elbert Lewis
Samuel J. Lipnitsky
Robert McCune, Jr.
Meyer Benjamin Marks
Harry Dudley Miller
Edward Edgar Seidmon
Fred William Seymour
Sol Singer
Joseph B. Teton
Frank B. Voris
Joseph Monroe Walker
Solomon Carl Werch
Irving Ziedman

Conferred June 10, 1932

Joseph Albaum
Edward Ragnar Anderson
Julius Aronow
Abraham Aronson
Eli Bard
George William Itzweire Bard
Edward Stuart Baxter
Alfred Paul Bay
Karie Katherine Bepko
Max Berg
Maxwell Robert Bernstein
Edward J. Bomze
David Joseph Brown
Richard Thomas Calosio
Jerry Chobot
Sidney S. Cohen
Harry Myer Crystal
Frank Benson Deardorff
Ben Burt Elster
Harold Samuel Feinhandler
Marshall Louis Fisher
Vincent Freda
Ralph Waldo Freeman
Leon Thomas Fruin
Willard Wilson Fullerton
William Gernon
Hyman Harry Goldstein
Hyman Samson Gordon
Joseph Goddard Gustafson
Henry Russell Hall
Noel John Hershey
Clarence C. Holoffe
Theodore Holstein
Louis Alois Holub
John Francis Huffman
Maurice Bernard Jacobs
Harold Kahn
Morris Kaplan
John Joseph Kazakevich
Charles Gordon Keigwin
Robert Eugene Kraft
Irving E. Krakower
Carl James Lehwald
Robert George Lemon
Albert Joseph Levine
Milton J. Levin
William Wayne Lockwood
William Forrester Maley
Glenn Robert Marshall
John Haley Mathis
Wilbur June Menke, Jr.
Thomas Finn Nelson
Harry N. Nierenberg
Paul James O'Brien
Irving Bernard Richter
Ralph Eugene Rosen
David Rosenbloom
Henry Carl Rosenstiel
John Bernard Roth
Charles Francis Row
Reuben Rubisoff
Milton Morris Scheffler
Harry Schultz
Harry Robert Schwartz
Robert Meyr Shagam
Harold Louis Shinall
Albert H. Slepyan
Anton Smerz
Paul Gustav Thode
Alex Sol Tulsky
Leonard V. Wachs
Walter Jacob Zeiter

CERTIFICATE IN MEDICINE

Students who have completed four years of scheduled work in the College of Medicine of the University of Illinois, and who, upon the completion of a year of satisfactory interneship in a hospital approved by the University, will be entitled to the degree of Doctor of Medicine.

John Bernard Dismukes, B.S. (September 30, 1931)
Edward Ross (September 30, 1931)
Frank L. Quillman (December 15, 1931)
Constantin Fredrick Wente (February 6, 1932)
Clarence Samuel Krakow, B.S. (February 6, 1932)
Joseph Poticha, B.S. (February 6, 1932)

Conferred June 10, 1932

Benjamin Appelman, B.S.
Edward Aron, Ph.G., B.S.
Lester White Baird, B.S.
Harry Gregory Becker, B.S.
David Andrew Bennett, B.S.
Harry Berman, B.S.
Edward Charles Bernell, B.S.
William Edward Bretz, B.S.
Fannie Buky, A.B., B.S.
Thomas Joseph Conley, Jr., B.S.
William Jackson Copeland, A.B., B.S.
Howard George Diesner, B.S.
William Clay Dine, Jr., B.S., M.S.
Samuel Irwin Ditkowsky, B.S.
Claire Maurice Dixon, B.S.
Delmar Eichler Domke, B.S.
Raymond Flowers Donovan, B.S.
Murray Sayle DuMont, Ph.G., B.S.
Maurice Irwin Edelman, B.S.
Gilbert Harold Edwards, A.B., B.S.
Fred C. Endres, B.S.
Arthur Loyal Ennis, B.S.
Leon Marius Erenburg, B.S.
Daniel Feiman, B.S.
Albert Hyman Feinerman, B.S.
Howard Albert Finney, B.S.
John Oscar Firth, B.S.
George Herman Fleischli, B.S.
Jack Galin
George Cullom Geymer, B.S.
John Hamilton Gilmore, B.S.
George Goldenberg, B.S.
Ephraim Frank Goodman, B.S.
Leo Jack Greenberg, B.S.
Milton Handelman, B.S.
Irving Maurice Harter, B.S.
Rudolph Hecht, B.S.
Benjamin Highman, B.S.
Robert Grantham Hickerson, B.S.
Harold Mark Hoover, B.S.
Joseph Allan Hubata, A.B.
Paul Hurwitz, B.S., M.S.
Runyon Hungate Irvin, B.S.
David Smeaton Jaffray, B.S.
Charles David Kanter
Clarence Francis Kelly, B.S.
Elmer Joseph Kocour, B.S.
Emanuel A. Kominik, B.S.
Thaddeus Marion Koppa
Harry Kotler, B.S.
John Albert Layman, A.B., B.S.
Samuel Sheldon Leavitt, B.S.
Abraham Leff, B.S.
John Alfred Legier, B.S.
David Alvin Lemberg, B.S.
David Lerner, B.S.
David Leonard Lerner, B.S.
Arthur Harry Levine, B.S.
Ben William Lichtenstein, B.S.
Loren Lennoth Love, B.S.
Max Boyd McQueen, B.S.
Nathan Allen Masor
Armand Jean Mauzey, A.B., B.S.
Alfred Karl Meyer, B.S.
David Sidney Miller, B.S.
Joseph Samuel Miller, B.S.
Burtis Edgar Montgomery, B.S., M.S.
Milton Mitchell Mosko, B.S.
Alfred Henry Movius, Jr., B.S.
Theodore Julius Nereim, A.B., B.S.
Isadore M. Nimsovitz, B.S.
Morris Phillip Orloff, B.S.
Theodore Newell Rafferty, B.S.
John Todd Reynolds, B.S.
George Henry Rezek, A.B.
Paul Montel Rice
Samuel Irving Richmond, B.S.
George Ronstrom, B.S.
Martin J. Rosenthal, B.S.
Harry Edward Ryan, B.S.
William Frank Sayle, B.S.
Ambrose Daniel Schneider, B.S.
Arthur Henry Schumacher, B.S.
Arthur Henry Schwartz, B.S.
Edward Edgar Park Seidmon, A.B., B.S.
Vaheh M. Seron, B.S.
Fred William Seymour, B.S.
Paul Lawrence Shallenberger
Michael Hershel Shuger, B.S.
Norman Morison Shure, B.S.
Thelma Russell Shurtz, B.S.
Lee Edwarde Siegel, B.S.
Max Sinay, B.S.
Joseph Stagman, B.S.
Walter Alfred Stark, A.B.
Isadore Elihu Steck, B.S.
Louis Mark Steiner, B.S.
Carl Sugar, B.S.
Cecil Earl Tate, B.S.
Edgar Abney Thacker, A.B., B.S.
Isadore Louis Turow, B.S.
Isadore C. Udesky, B.S.
Frank Rudolph Urban, B.S.
Harley R. Varney, B.S.
John William Wall, B.S.
LaVerne Myron Wallheiser, B.S.
William Hester Walton, Ph.B., B.S.
Louis Weinberg, B.S.
Merrill John Werner
Lorin Dixon Whittaker, A.B., B.S.
Finis Ellsworth Wilson, B.S.
Robert Bruce Wilson, B.S.
Adelbert Earnest Wuesteman, B.S.

REGISTER OF STUDENTS

SESSION OF 1932-33

FIFTH YEAR CLASS—HOSPITAL APPOINTMENTS

American Hospital, Chicago
- Abraham Leff
- Clarence S. Karow

Ancker Hospital, St. Paul, Minn.
- William Clay Dine, Jr.
- Edgar Abney Thacker

California Lutheran Hospital, Los Angeles, Calif.
- Paul Montel Rice

Cleveland City Hospital, Cleveland, Ohio
- Murray S. DuMont

Cook County Hospital, Chicago
- David A. Bennett*
- Harry Berman*
- Edward C. Bernell
- Samuel I. Ditkowsky
- Maurice I. Edelman*
- George H. Fleischli*
- John H. Gilmore*
- George Goldenberg*
- Paul Hurwitz*
- Samuel S. Leavitt*
- David Lerner*
- Ben W. Lichtenstein
- Nathan A. Masor
- David S. Miller*
- Joseph S. Miller
- Milton M. Mosko
- Isadore M. Nimsovitz*
- John T. Reynolds*
- Martin J. Rosenthal
- Arthur H. Schumacher*
- Norman Shure
- Joseph Simons
- Isadore C. Udesky*
- John W. Wall

Edgewater Hospital, Chicago
- Jack Galin

Elgin State Hospital, Elgin, Illinois
- David A. Lemberg
- Arthur Schwartz

Evangelical Hospital, Chicago
- Irving Harter

Foote Memorial Hospital, Jackson, Michigan
- Cecil E. Tate

Fresno General Hospital, Fresno, California
- Benjamin Appelman

Grant Hospital, Chicago
- Emanuel A. Kominik
- Alfred H. Movius, Jr.
- Theodore J. Nereim

Harborview Hospital, Seattle, Washington
- Joseph S. Poticha

Harper Hospital, Detroit, Michigan
- Robert Bruce Wilson

Illinois Masonic Hospital, Chicago
- George C. Geymer
- John H. Gilmore
- Theodore N. Rafferty
- Louis M. Steiner
- Adelbert E. Wuesteman

Indianapolis City Hospital, Indianapolis, Indiana
- Clarence F. Kelly

Jersey City Hospital, Jersey City, New Jersey
- Louis Weinberg

Kankakee State Hospital, Kankakee, Illinois
- David S. Miller

Lakeview Hospital, Chicago
- Delmar Domke
- Fred W. Seymour
- Walter A. Stark

Lutheran Deaconess Hospital, Chicago
- Harry G. Becker

Lutheran Memorial Hospital, Chicago
- Harry Kotler
- Michael H. Shuger

Mercy Hospital, Davenport, Iowa
- Alfred K. Meyer

Michael Reese Hospital, Chicago
- Albert H. Feinerman*
- Milton Handelman
- Rudolph Hecht*
- Benjamin Highman
- Arthur Schwartz*
- Joseph Stagman*

Mount Sinai Hospital, Chicago
- Edward Aron
- Ephraim Frank Goodman
- Arthur Harry Levine
- Isadore Turow

Oak Park Hospital, Oak Park, Illinois
- Ambrose D. Schneider

Provident Hospital, Chicago
- Henry N. Cress

Ravenswood Hospital, Chicago
- Max Boyd McQueen

Research and Educational Hospital, Chicago
- Gilbert H. Edwards
- Fred C. Endres
- Arthur L. Ennis
- John O. Firth
- David S. Jaffray
- John A. Legier
- George H. Rezek
- William Frank Sayle
- LaVerne Myron Wallheiser

Sacramento Hospital, Sacramento, California
- Claire M. Dixon
- Loren L. Love

San Diego County Hospital, San Diego, California
- Raymond F. Donovan

Southern Pacific General Hospital, San Francisco, California
- Howard G. Diesner

---

*Service begins January 1, 1933.

Santa Clara County Hospital, San Jose, California
Lester W. Baird

St. Francis Hospital, Evanston, Illinois
William J. Copeland
Thomas J. Conley, Jr.

St. Joseph's Hospital, Chicago
Isadore E. Steck

St. Joseph's Hospital, Joliet, Illinois
Vaheh M. Seron

St. Louis City Hospital No. 1, St. Louis, Missouri
Howard A. Finney

St. Louis City Hospital No. 2, St. Louis, Missouri
John C. Washington

St. Luke's Hospital, Chicago
Harold Mark Hoover
John Albert Layman
Armand J. Mauzey
Burtis E. Montgomery
Harley R. Varney
Lorin D. Whittaker
Finis Ellsworth Wilson

St. Luke's Hospital, St. Louis, Missouri
William H. Walton

St. Mary's Hospital, Grand Rapids, Michigan
Daniel Feiman

St. Vincent's Hospital, Portland, Oregon
Leo J. Greenberg

University Hospital, Chicago
Merrill John Werner

Wesley Memorial Hospital, Chicago
William E. Bretz*
Paul L. Shallenberger

West Suburban Hospital, Oak Park, Illinois
Thaddeus M. Koppa

Frances E. Willard Hospital, Chicago
Leon M. Erenburg
Max Sinay

Women's and Children's, Chicago
Fannie Buky

FOURTH YEAR CLASS, 1931-32

Appleman, Benjamin, B.S.
Aron, Edward, Ph.G., B.S.
Baird, Lester White, B.S.
Becker, Harry Gregory, B.S.
Bennett, David Andrew, B.S.
Berman, Harry, B.S.
Bernell, Edward Charles, B.S.
Bretz, William Edward, B.S.
Buky, Fannie, A.B., B.S.
Conley, Thomas Joseph, Jr., B.S.
Copeland, William Jackson, A.B., B.S.
Cress, Henry Noah, B.S.
Diesner, Howard George
Dine, William Clay, Jr., B.S., M.S.
Ditkowsky, Samuel Irwin, B.S.
Dixon, Claire Maurice, B.S.
Domke, Delmar Eichler, B.S.
Donovan, Raymond Flowers, B.S.
DuMont, Murray Sayle, Ph.G., B.S.
Eddy, Corinne Schenck, Ph.B.
Edelman, Maurice Irwin, B.S.
Edwards, Gilbert Harold, A.B., B.S.
Endres, Fred Carl, B.S.
Ennis, Arthur Loyal, B.S.
Erenberg, Leon Marius, B.S.
Feiman, Daniel, B.S.
Feinerman, Albert Hyman, B.S.
Finney, Howard Albert, B.S.
Firth, John Oscar, B.S.
Fleischli, George Herman, B.S.
Galin, Jack
Geymer, George Cullom, B.S.
Gilmore, John Hamilton, B.S.
Goldenberg, George, B.S.
Goodman, Ephraim Frank, B.S.
Greenberg, Leo Jack, B.S.
Gustafson, Carl Julius, B.S.
Handelman, Milton, B.S.
Harter, Irving Maurice, B.S.
Hecht, Rudolph, B.S.
Henner, Robert, B.S.
Hickerson, Robert Grantham, B.S.
Highman, Benjamin, B.S.
Holleman, William Wallace, B.S.
Hoover, Harold Mark, B.S.
Hubata, Joseph Allan, A.B.
Hurwitz, Paul, B.S.
Irvin, Runyon Hungate, B.S.
Jaffray, David Smeaton, B.S.
Kanter, Charles David, B.S.
Kazakevich, John Joseph
Kelly, Clarence Francis, B.S.
Kocour, Elmer Joseph, B.S.
Kominik, Emanuel A., B.S.
Koppa, Thaddeus Marion
Kotler, Harry, B.S.
Krakow, Clarence Samuel, B.S.
Layman, John Albert, A.B., B.S.
Leavitt, Samuel Sheldon, B.S.
Leff, Abraham, B.S.
Legier, John Alfred, B.S.
Lemberg, David Alvin, B.S.
Lerner, David, B.S.
Lerner, David Leonard, B.S.
Levine, Arthur Harry, B.S.
Lichtenstein, Ben William, B.S.
Love, Loren Lennoth, B.S.
McQueen, Max Boyd, B.S.
Malstrom, Bernard Edward
Masor, Nathan Allen
Mauzey, Armand Jean, B.S., B.S.
Meyer, Alfred Karl, B.S.
Miller, David Sidney, B.S.
Miller, Joseph Samuel, B.S.
Montgomery, Burtis Edgar, B.S., B.S., M.S.
Mosko, Milton Mitchell, B.S.
Movius, Alfred Henry, Jr., B.S.
Nereim, Theodore Julius, A.B., B.S.
Nimsovitz, Isadore Maurice, B.S.
Orloff, Morris Philip, B.S.
Poticha, Joseph, B.S.
Rafferty, Theodore Newell, B.S.
Reynolds, John Todd, B.S.
Rezek, George Henry, A.B.
Rice, Paul Montel, B.S.
Richmond, Samuel Irving, B.S.
Ronstrom, George, B.S.
Rosenthal, Martin, B.S.
Ryan, Harry Edward, B.S.
Sayle, William Frank, B.S.
Schneider, Ambrose Daniel, B.S.
Schumacher, Arthur Henry, B.S.
Schwartz, Arthur, B.S.
Seidmon, Edward Edgar Park, Phg., B.A., B.S.
Seron, Vaheh M., S.B.
Seymour, Fred William, B.S.
Shallenberger, Paul Lawrence
Shuger, Michael Hershel
Shure, Norman Morrison, B.S.
Shurtz, Thelma Leota, B.S.
Siegel, Lee Edward, B.S.

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*Service begins January 1, 1933.

Sinay, Max, B.S.
Stagman Joseph, B.S.
Stark, Walter Alfred, A.B.
Steck, Isadore Elihu, B.S.
Steiner, Louis Mark, B.S.
Sugar, Carl, B.S.
Tate, Cecil Earl, B.S.
Thacker, Edgar Abney, A.B., B.S.
Turow, Isadore, B.S.
Udesky, Isadore C., B.S.
Urban, Frank Rudolph, B.S.
Varney, Harley Roosevelt, B.S.
Wall, John William, B.S.
Wallheiser, LaVerne Myron, B.S.
Walton, William Hester, Ph.B., B.S.
Washington, John Campbell, B.S.
Weinberg, Louis, B.S.
Werner, Merrill John
Whittaker, Lorin Dixon, A.B., B.S.
Wilson, Finis Ellsworth, B.S.
Wilson. Robert Bruce, B.S.
Wuesteman, Adelbert Earnest, B.S., B.S.

THIRD YEAR CLASS, 1931-32

Anslinger, Cyril Jacob, B.S.
Balding, Bruce Ned, A.B.
Ballin, Misha, B.S.
Baskin, Lester Sidney, B.S.
Bauer, Paul Barnabus
Becker, Maurice Loren, B.S.
Bedard, Robert Edward, A.B.
Bepko, Marie Kathrine
Bernstein, Arthur, B.S.
Bernstein, Harold Carroll, B.S.
Bernstein, Samuel Leonard, B.S.
Bezman, Harry S., B.S.
Birgerson, Alexander Oscar, B.S.
Bonnell, Ellis
Branch, Charles Elmer, B.S.
Brodsky, Harry
Brooks, George Freeman, A.B.
Burroughs, Donald Dinsmore, B.S.
Buyer, Morris
Cawthorne, Harold Jesse, A.B., B.S.
Chern, Bernard Victor, B.S.
Chobot, Jerry
Christian, William Arnold, Jr., B.S.
Cirrincione, Francis Anthony, B.S.
Cohen, Jacob, B.S.
Cohen, Melvin Russell, B.S.
Collins, Robert Bruce, B.S.
Comess, Oscar H.
Conklin, James Oliver, B.S.
Cooper, Harry
Costigan, Clarence Stephen, B.S.
Coyne, Albert Donald, B.S.
Darnall, Fred
Demski, Casimir
Dickens, Helen Octavia
Dickinson, Clyde Allan
Dunn, Max M., B.S.
Dushkin, Milton Arnold, B.S.
Ellis, Claude Irving, B.S.
Ellis, James Caleb, A.B.
English, Harlan, B.S.
Fara, Frank Joseph, Jr., B.S.
Farlander, Leland Kenneth, B.S.
Feinhandler, Emanuel, B.S.
Fox, Nathan S.
Francona, Anthony, B.S.
Freeman, Ralph Waldo, A.B.
Furby, Seeley B.
Gittlestein, Sam Sigmund, B.S.
Gottlieb, Abraham Mitchell, B.S.
Gottlieb, Jacob D., B.S.
Green, Frank Bernard
Greenstein, Bernard Louis, B.S.
Gusinow, Nathan Richard, B.S.
Gustafson, Wesley Axel
Hanley, Deloss Reed
Harris, James Frank
Helfer, Lewis Michael
Hendricks, Clifford Alva
Herndon, Zelma Lamb, B.S.
Herrmann, Ross Edward
Holtzman, Sam, B.S.
Hrdina, Joseph Louis, Ph.C.
Ingber, Nathan G., B.S.
Jacobs, William Francis, A.B., B.S.
Johnson, Eric Gunnar, B.S.
Johnson, Stephen Patrick, Jr., B.S.
Karpass, Victor Herbert, B.S.
Kearney, Cletus Timothy, B.S.
Kersey, George Thomas
Klotz, Maurice, B.S.
Klow, Sidney Deutsch
Knapp, Joseph Louis
Koransky, David Sydney, B.S.
Krevitt, Julius Maurice, B.S.
Kruglick, Jack, B.S.
Larkin, Leo Carroll
Lawder, Homer Lee, A.B.
Levin, Samuel O.
Levine, Albert Joseph
Levy, Jacob, B.S.
Lewis, Kenneth Elbert, B.S.
Lipnitzky, Samuel J.
Lipstein, Morris Lester, Ph.G.
Lustig, Julius, B.S.
McCune, Robert, Jr.
Manelis, Samuel, B.S.
Marks, Meyer B., B.S.
Matthei, Louis Philip, B.S.
Meyers, Isadore, B.S.
Miller, Harry Dudley, Jr.
Miller, Howard Russell, A.B., B.S.
Mishkin, Irving, B.S.
Moore, Ira Telford
Narodick, Philip Howard
Neece, Gus Warlick
Nefsky, Albert, B.S.
Parker, Eugene Madison
Patka, Joseph Aloysius, B.S.
Purves, Samuel Arthur, A.B.
Puumala Reino Hendrick, B.S.
Radner, David Benjamin, Ph.G., B.S.
Reed, William John
Rome, Sol, B.S.
Roos, Fred John
Rose, Gabriel, B.S.
Schubert, Abraham Boris
Schuman, Irving
Schwerer, Herman Mayes, A.B.
Shinglman, Willard Edwin, B.S.
Silverstein, Norman, B.S.
Singer, Sol
Sladek, William Robert, B.S.
Smith, Gilbert Elden
Smith, Robert Archie
Speer, Ralph Edgerton
Stamler, Maurice, B.S.
Steiner, Edward Joseph, B.S.
Teton, Joseph B., B.S.
Thode, Paul Gustav
Turner, Samuel Julius
Urbanek, Frank Edward, B.S.
Vail, Harry Fleming, B.S.
Vesely, Albert Joseph
Vesely, Harry Charles
Voris, Frank Burkhart, B.S.
Wacker, Maxwell Nathan, B.S.
Waldman, Irwin Jerome, B.S.
Walker, Joseph Monroe, Jr.
Wallace, Marion Margaret, B.S.
Weatherly, James Alexander
Weihe, Arthur Rudolph, B.S.
Weisdorf, William, B.S.
Weiss, Morris
Welty, Jack Worthington, B.S.
Werbel, Ernest William, B.S.

Werch, Solomon Carl, B.S.
Westland, Richard Elroy, B.S.
Williams, Ernest Bernard, B.S.
Winsberg, James Alfred, B.S.
Wolfe, Albyn Garrett, B.A., B.S.
Zalar, Joseph Alfonso, B.S.
Ziedman, Irving, A.B., B.S.
Zimmerman, Lazar Eli, B.S.
Zimring, Allan Joseph, B.S.
Zolt, Nathan, B.S.

SECOND YEAR CLASS, 1931-32

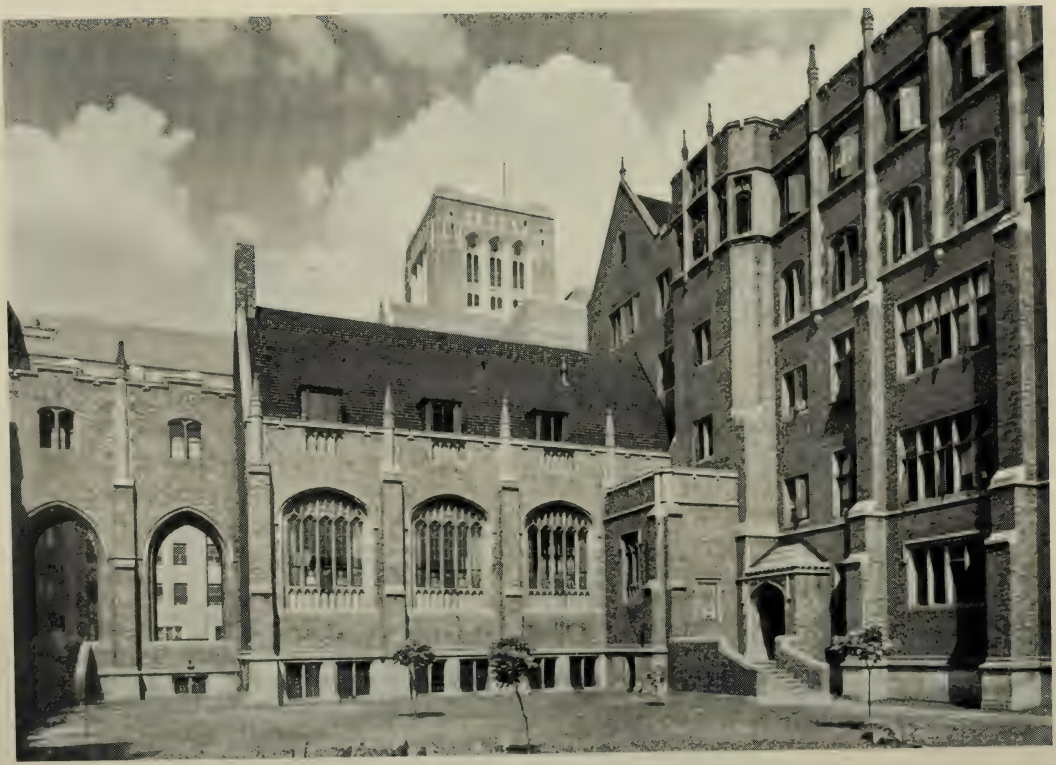
Adams, Joel E.
Agate, George Henry
Albaum, Joseph
Albers, Elmer Arnold
Albright, Arthur Cartwright
Altman, Harrie Pond, Jr.
Anderson, Edward Raymon
Anderson, Glen C.
Aronow, Julius
Aronson, Abraham
Atkinson, Willis Hugh
Baker, Edwin Francis
Baker, Norman Ludlow
Bard, Eli
Bard, Itzweire
Baxter, Edward Stuart
Bay, Alfred Paul
Bedinger, Paul Lincoln, A.B.
Benford, Myron Clyde
Bepko, Marie Katherine
Berg, Max
Berger, Irving
Bernstein, Maxwell Robert
Billings, Charles Arthur, A.B.
Blaurock, Melvin Frank Otto
Boarini, Edward Vincent
Bogue, Willis Julian, S.B.
Bomze, Edward J.
Bradley, Chester Dale
Brodkin, Meyer
Brown, Charles Edward
Brown, David Joseph
Bucher, Earl Clifford, A.B.
Burkhart, George Hickman
Calosio, Richard Thomas
Chabner, Louis
Citron, Robert Ralph
Cohen, Morton Irving
Cohen, Sidney Sol
Cooper, Arthur Edwin
Coseglia, Robert Paul
Crystal, Harry Myer
Deardorf, Frank Benson
DeLong, Edward E.
Elster, Ben Burt
Farinacci, Maurice Graziano
Feinhandler, Harold Samuel
Fisher, Marshall Louis
Fox, Morris E.
Freda, Vincent
Freeman, John Joseph
Fricke, John William
Fruin, Leon Thomas
Fullerton, Willard Wilson, A.B.
Gano, Avison
Gernon, William
Glenn, Robert Wagner
Goldman, Herman Israel
Goldstein, Hyman Harry
Goldstein, Samuel M.
Gordon, Hyman Samson
Grennan, Henry Arthur
Gustafson, Joseph Goddard, B.S.
Hakala, Laurie John
Hall, Henry Russell
Hanelin, Henry Arnold
Harrold, Jesse Freeland
Hawkins, Kyle C.
Hellrung, Cecilia Marian
Hershey, Noel John
Hoffstadter, William, B.S.
Holoffe, Clarence P.
Holstein, Theodore
Holub, Louis Alois
Huffman, John Francis
Hurwich, Jerome Jacob, B.S.
Jacobs, Maurice Bernard
Johnson, Herman Roy
Johnson, Titus Maurice, B.A., B.S.
Kahn, Harold
Kaiz, Seymour Pass
Kaplan, Benjamin
Kaplan, Morris
Keigwin, Charles G.
Kleiman, David
Koza, John Louis
Kraft, Robert Eugene
Krakower, Irving
Kuczewski, Frank Henry
Langner, Mitchell Edward
Lapin, Morey, A.B.
Lederman, Irving Harold
Lehwald, Carl James
Lemon, Robert George
Levin, Milton
Lockwood, William Wayne
Lome, Daniel
Maley, William Forrester, B.A.
Marshall, Glenn Robert
Martin, Robert Edgar
Mathis, John Haley
Menke, Wilbur June, Jr., A.B.
Miller, Walter Ulysses, B.A.
Mohlenbrock, William Dean
Moskovitz, Abe I.
Mouzakeotis, Theodore C.
Nechtow, Mitchell Joseph
Nelson, Thomas Finn
Nierenberg, Harry Hyman
O'Brien, Paul James
Ocasek, William, Jr.
Oehler, William Frederick
Okner, Henry Bernard
O'Malley, James Emmett, B.S.
Parker, Forest Caleb
Pass, Ben
Piser, Alfred Lionel
Richter, Irving Bernard
Rightman, Irving
Roberson, William Victor
Rosen, Ralph Eugene
Rosenbloom, David
Rosenstiel, Henry Carl
Roth, John Bernard
Row, Charles Francis, A.B.
Rubenstein, Marshall William
Rubisoff, Reuben
Saruk, Fred S.
Scheffler, Milton Morris
Schoolman, Joseph G., A.B.
Schultz, Harry
Schwartz, Benjamin
Schwartz, Harry Robert
Scully, John Chapell
Seaton, Ralph Millard
Shagam, Robert Mayr
Shinall, Harold Louis
Simon, Martha Frances
Slepyan, Albert H.
Smerz, Anton
Thomas, Clyde Oral
Thomsen, Philip Gordon
Tulsky, Alex Sol
Wachs, Leonard
Wachsman, David Victor, Jr.
Weinberg, Julius

Winn, John Paul, B.E.
Wittenberg, Carlton Emil, B.S.
Young, Warren William
Zeiter, Walter Jacob
Zwerko, Casimir

FIRST YEAR CLASS, 1931-32

Adams, Orville Shadle
Adland, Samuel Alfred
Akkeron, Alfred F.
Appel, Ben
Ash, Alfred Stone
Barys, Harold Joseph
Becker, Oscar Jacob
Beecher, Merrill Charles
Berkovitz, Robert David
Blaufuss, Armin Louis, Ph.C.
Boland, John Dempsie
Bose, Rufus, B.S.
Bowers, Daniel Edward
Brill, Isadore
Brotman, David Marvin
Bunton, Theodore R.
Carter, Robert V.
Cihak, Joseph Frank
Cohen, Bernard Louis
Cohen, Isadore Hymen, B.S.
Coleman, Clement Clark
Colyer, George Edward, A.B.
Deutsch, Nathan Solomon
Dubofsky, Sidney Harvey
Edel, Frank Wayne, A.B.
Faden, Gerson, B.A.
Favus, Irving
Fein, Mitchell Moe
Fleischer, Jacob
Foltz, Herbert Leo
Foulke, Lawrence Edward, B.S.
Frey, Beoda John
Friedenberg, Robert, A.B.
Friedman, Harold, B.S.
Gallati, Cyril M.
Galloway, Josephine Mills, A.B.
Geever, Irving Francis
Gilman, George, A.B.
Ginsburgh, Harvey Enoch
Glassman, Jack A.
Globerson, Irwin
Goldberg, Aaron Louis
Goldfine, Manuel
Gordon, Marion Lee
Gorodazky, Abraham
Greco, Vincent James
Grossman, Maurice O., A.B.
Gunther, Aaron
Hack, Rudolph William, A.B.
Hahn, Jacob Francis, B.S.
Harris, Zigmore
Haverstock, Richard Teal
Hawkes, James Henry
Hilkevitch, Aron Arthur
Hill, George Ray
Howard, Henry Sargent
Hughes, Kenneth Franklin
Ireneus, Carl, Jr.
Jamison, Garland Uriah, B.A.
Johnson, John Hick
Jordan, Gerard Michael
Josephs, Sol
Josephson, Harry
Kaeiser, William Henry
Kahn, Ernest Arthur
Kapernick, John Stuart
Karel, Jack, B.S.
Keller, Robert Stephen
Keppleman, George
Klein, Adelbert Herman
Knudson, William Nelk, A.B.
Koch, Harold Jay, B.S.
Kravtsow, George Louis
Krueger, Francis Joseph
Kunda, Emerson C., A.B.
Kurth, Milton
Kweder, Albert Thomas
Lampe, Chester Edward, B.S.
Lane, Paul Lilja, D.D.S.
Lang, Herbert
Lazar, Harry, B.S.
Lerner, Harry Alexander, B.A.
Lerner, Louis Samuel, B.S.
Levin, Louis
Levine, Sydney, B.S.
Littig, John James
McCormack, Maurice Lester
MacEachern, Katherine H., B.S.
Makovsky, Irwin Harry
Madej, Walter Andrew
Marks, Harold Louis
Mason, Aaron Samuel
Messman, Lorell Edward
Mitchell, Joseph Rudolph
Morgan, George Edward
Morrison, Ira Robert, A.B.
Murphy, James Joseph
Nelson, Charles Arthur
Nieder, Sam
Nix, Winston K.
Noel, Frederick Charles
Olson, Franklin Arnold, B.S.
Palmer, Edward, Ph.B.
Parke, John
Peal, Leonard
Petru, Betty Rose, B.S.
Phinnie, James Payton
Plotkin, Oscar Mandel
Polk, Wilton Morton
Potkin, Carl
Price, Harold, Ph.B.
Price, Leonard
Raider, Joseph
Randolph, Thomas Vance
Reid, Raymond King
Reinglass, Sam
Reynolds, James Stedman
Rhea, Keith
Richmond, Samuel
Ricketts, Fred Jasper
Ritter, Joseph
Rooth, Sidney Sigmund
Rose, Jordan Waldemar
Rosen, Benjamin Bernard
Rosen, Isadore, B.S.
Rosen, Milton William
Rosenberg, Jack
Rosenberg, Samuel William
Rosenthal, Irving Hyman
Ryan, William Clarence
Rye, Thorstein Olav, A.B.
Sachs, Mandel
Salberg, Seymour
Schein, Louis
Schettler, Robert Edward
Schiller, Herbert A., Ph.C.
Schilsky, John Lavine
Schneider, Kenneth Fosnes
Schwade, Leonard Jerome
Schwecter, Arnold
Seifert, William Frederick
Sheffey, George Hunter
Shelley, Joseph Bernard
Shimkus, Alexander Joseph, B.S.
Shulruff, Harry I.
Siegfried, Joseph Howard
Sievers, Jerome Joel, Ph.G.
Sigler, Robert James
Silbert, David
Silvert, Pasche
Slaughter, Danley Philip
Slavin, Manuel, A.B.

Main Reading Room of the Library



Library and Passage Way to Hospital With New Laboratory Building in Background

Smith, Clarence William, Ph.C., Ph.G.
Sondag, Roger Francis
Sorenson, Raymond Elmer
Spiller, Adelbert L.
Steer, Albert Elon
Stein, Albert Frank
Stevenson, Herbert Myron
Stevenson, Richard Vawter
Stout, Samuel Lloyd, Ph.C.
Suffield, Harlow William, A.B.
Svetanov, Vladimir Christov
Sweitzer, Caesar, B.S.
Tasch, Aloysious Felix
Taubert, Russell Kenneth
Taylor, John Richard
Tesar, Frank Joseph
Thompson, Robert Clyde
Tinsley, Milton
Wagner, Jack
Waisman, Morris
Walton, Joseph Eugene
Weiss, Max
Weissman, Leonard
White, Raymond Benedict, A.B.
Wittenfeld, Norman
Wunsch, Charles LeRoy
Young, Francis Joseph
Zimont, Raymond Dumont

UNIVERSITY OF ILLINOIS
THE GRADUATE SCHOOL

GRADUATE COURSES IN MEDICINE AND DENTISTRY

Departments of Anatomy; Dental Histology; Dental Therapeutics; Dermatology; Juvenile Behavior, Larnygology, Rhinology and Otology; Medicine; Metallurgy; Neurology and Psychiatry; Obstetrics and Gynecology; Ophthalmology; Oral Surgery; Orthodontia; Orthopaedics; Pathology and Bacteriology; Pediatrics; Pharmacology; Physiological Chemistry; Physiology; Surgery.

Announcement of
Summer Quarter of 1932, June 11-August 31
and Session of 1932-33
1932

GRADUATE SCHOOL CALENDAR

SUMMER SESSION

1932

June 11, Saturday	Registration Day Summer Session begins
July 4, Monday	A legal holiday
August 8, Monday, 12 m.	Last day for candidates for degrees in August to deposit theses

FIRST SEMESTER

1932

October 5-6, Wednesday, Thursday	Registration Days
September 19, Monday	Last day for candidates for master's degrees in October to file applications for degrees and to deposit theses
November 23, Wednesday, 12 m.	Thanksgiving recess begins
November 28, Monday, 8 a.m.	Instruction resumed
December 22, Thursday, 5 p.m.	Holiday recess begins

1933

January 4, Wednesday, 8 a.m.	Holiday recess ends
January 30, Monday, 12 m.	Last day for filing applications for master's degrees to be conferred in February Last day for candidates for master's and doctor's degrees in February to deposit theses

SECOND SEMESTER

February 8-9, Wednesday, Thursday	Registration days
April 13, Thursday, 5 p.m.	Easter recess begins
April 17, Monday, 8 a.m.	Easter recess ends
May 1, Monday	Last day for filing applications for master's degrees to be conferred in June
May 15, Monday	Last day for filing application for master's degrees to be conferred in August
May 15, Monday	Last day for candidates for doctor's degrees in June to deposit theses
May 29, Monday	Last day for candidates for master's degrees in June to deposit theses
June 9, Friday, 10 a.m.	Annual Commencement

THE GRADUATE SCHOOL

THE EXECUTIVE FACULTY[1]

HARRY WOODBURN CHASE, Ph.D., LL.D., L.H.D., PRESIDENT OF THE UNIVERSITY

ARTHUR HILL DANIELS, Ph.D., *Professor of Philosophy and Dean of the Graduate School*

ROGER ADAMS, Ph.D., *Professor of Organic Chemistry*

ERNEST BERNBAUM, Ph.D., *Professor of English*

EDWARD HERBERT CAMERON, Ph.D., *Professor of Educational Psychology*

ARTHUR BYRON COBLE, Ph.D., *Professor of Mathematics*

HEBERT FISHER MOORE, M.M.E., D.Sc., *Research Professor of Engineering Materials*

REXFORD NEWCOMB, A.M., M.Arch., A.I.A., *Professor of the History of Architecture*

WILLIAM ABBOTT OLDFATHER, Ph.D., *Professor of Classics*

RAYMOND STRATTON SMITH, Ph.D., *Professor of Soil Physics*

NATHAN AUSTIN WESTIN, Ph.D., *Professor of Economics*

ARTHUR CUTTS WILLARD, B.S., *Professor of Heating and Ventilation*

CHARLES ZELENY, Ph.D., *Professor of Zoology*

STANDING COMMITTEE ON GRADUATE WORK IN MEDICINE AND DENTISTRY

DAVID JOHN DAVIS, Ph.D., M.D., *Chairman*

FREDERICK BOGUE NOYES, A.B., D.D.S., Sc.D.

HUGH ALISTER MCGUIGAN, Ph.D., M.D.

CARL ARTHUR HEDBLOM, M.D., Ph.D.

WILLIAM HENRY WELKER, Ph.D., *Secretary*

THE TEACHING FACULTY[2]

1931-32

DAVID JOHN DAVIS, Ph.D., M.D., *Dean of the College of Medicine, Professor of Pathology and Bacteriology and Head of the Department, and Director of Graduate Work in Medicine*

WILLIAM HENRY WELKER, Ph.D., *Professor of Physiological Chemistry and Head of the Department*

HUGH ALISTER MCGUIGAN, Ph.D., M.D., *Professor of Pharmacology, Materia Medica and Therapeutics and Head of the Department*

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[1] The administration of the Graduate School is conducted by the Executive Faculty, appointed from year to year by the President on nomination of various departments and recommendations of the Dean of the Graduate School.

[2] The Teaching Faculty includes all those who at any time give courses of strictly graduate character. Such courses are accepted for major credit and are numbered one hundred and upwards. For the present such courses are offered by the above faculty.

OTTO FREDERICK KAMPMEIER, Ph.D., M.D., *Professor of Anatomy and Head of the Department*

FREDERICK BROWN MOOREHEAD, M.S., D.D.S., M.D., *Professor of Oral and Plastic Surgery and Oral Pathology and Head of the Department*

WILLIAM F. PETERSEN, M.D., *Professor of Pathology and Bacteriology*

FREDERICK BOGUE NOYES, A.B., D.D.S., Sc.D., *Dean of the College of Dentistry, Professor of Orthodontia and Head of the Department*

OLAF BERGEIM, Ph.D., *Associate Professor of Physiological Chemistry*

ALBERT BACHEM, Ph.D., *Professor of Physiology*

FREDERICK HOWARD FALLS, B.S., M.S., M.D., *Professor of Obstetrics and Gynecology and Head of the Department*

CARL ARTHUR HEDBLOM, M.D., Ph.D., *Professor of Surgery and Head of the Department*

JULIUS HAYES HESS, M.D., *Professor of Pediatrics and Head of the Department*

FRANCIS EUGENE SENEAR, M.D., *Professor of Dermatology and Head of the Department*

CHARLES SPENCER WILLIAMSON, M.D., *Professor of Medicine and Head of the Department*

LLOYD ARNOLD, M.D., *Professor of Bacteriology and Preventive Medicine*

WALTER JOHN RICHARD CAMP, M.D., Ph.D., *Associate Professor of Pharmacology and Therapeutics*

JAMES ROY BLAYNEY, B.S., D.D.S., M.S., *Professor of Therapeutics, Head of the Department in the College of Dentistry and Associate Director of the Infirmary*

FRANKLIN P. REAGAN, A.B., Ph.D., *Associate Professor of Anatomy*

PAUL LOUIS SCHROEDER, B.S., M.D., *Professor of Criminology, Director of the Institute for Juvenile Research and State Criminologist*

HAROLD DOUGLAS SINGER, M.B., M.D., *Professor of Psychiatry and Head of the Department of Neuro-Psychiatry*

HENRY BASCOM THOMAS, B.S., M.D., *Professor of Orthopaedics and Head of the Department*

GEORGE BORIS HASSIN, M.D., *Professor of Neurology*

ANDREW W. BROWN, A.B., M.A., Ph.D., *Chief Psychologist*

MAURICE B. VISSCHER, B.S., M.S., Ph.D., *Professor of Physiology and Head of the Department*

ISAAC SCHOUR, B.S., D.D.S., M.S., Ph.D., *Associate Professor of Histology*

GRADUATE WORK IN MEDICINE AND DENTISTRY

ADMISSION

Admission to the Graduate School may be granted to graduates of institutions whose requirements for the bachelor's degree are substantially equivalent to those of the University of Illinois, and to applicants from other institutions approved by the Executive Faculty, as hereinafter provided. *Admission to the Graduate School does not, however, imply admission to candidacy for an advanced degree, and gives no right or claim to be so admitted. Such candidacy is determined by the faculty after the student has demonstrated by his work here, for from two to five months, that he has ability to do major work of graduate character. A mere accumulation of "credits" or "grades" is not sufficient.*

Admission to graduate courses may be granted only to those who have had the requisite undergraduate work in those courses or departments. But a student of mature age who satisfies the Director and the department concerned of his ability to pursue graduate work in a given line may be enrolled in particular graduate courses, without reference to a degree, and permitted to carry on such study or investigation under the direction of a department of the University as the department shall recommend and the Dean approve.

Application blanks for admission may be secured from the Secretary of the Committee on Graduate Work in Medicine and Dentistry. Every applicant must submit with his application for admission an official transcript of his college record.

REGISTRATION AND PROGRAM OF STUDY

The following regulations concerning registration and program of studies are laid out primarily for first-year students. Second-year and third-year graduate students fill out their programs irrespective of the unit value of courses, according to their needs, under the advice of their instructors.

Registration.—Each graduate student must register at the beginning of each semester.

The registration of a new student may be accepted at any time provided the student is prepared to take up courses actually under way. Credit towards the fulfillment of the residence requirement dates, however, from the time of registration and not from the beginning of the semester or year in which the student enters. Registration will not be permitted later in the year than April 1, except in the case of students who expect to continue through the summer session, or are returning to complete a year's work which has been interrupted by unavoidable circumstances. *No student is permitted to attend any University course in which he is not registered.*

The first registration, or that on entrance, is permitted only after the student's application for admission to the Graduate School, setting forth his educational attainments, has been duly approved.

Seniors and Graduate Study.—If at the beginning of the second semester of his senior year a student, who has been in residence at least one year, is within five hours of a bachelor's degree, he may be permitted to register for courses which may count for residence for a master's degree; provided his program does not require more than twelve formal class, lecture, or laboratory exercises a week, and is approved by the Dean at the time of registration. Only students of excellent record will be allowed this privilege.

Failures.—A graduate student who fails in any course in his major subject cannot secure his degree in the same year in which the failure occurred. No condition examinations are given graduate students.

Students on the Staff.—Assistants and others on the University staff who undertake to do graduate work are permitted to take an amount of work determined by the terms of their employment. Such a student, if required by his engagements to teach more than five classes a week or to have laboratory work or supervision exceeding ten hours a week, may not receive his master's degree at the end of one year, nor his doctor's degree at the end of three.

Residence and Work Done Elsewhere.—Continuous residence and study are required of all members of the Graduate School, unless they are granted leave of absence by the Director, upon recommendation of the professor in charge of their work, for the purpose of carrying on elsewhere studies or investigations in the line of work for their degrees.

Members of the staff who have done graduate work in approved institutions elsewhere may secure credit not to exceed four units towards the master's degree by passing examinations in that work. They may complete the work for the degree by securing at least four units more while registered in the Graduate School for not less than one academic year.

Withdrawal.—If after registration a graduate student wishes to withdraw from any course or to add other work, he must first secure the necessary papers from the Director's office. If he wishes to withdraw from the University he must get clearance papers at the Director's office.

MASTERS' DEGREES

Character of Master's Degree.—The master's degree conferred depends upon the character of the bachelor's degree. The usual practice is that A.M. shall follow A.B., and that M.S. shall follow B.S. However, this practice may be departed from in cases where the undergraduate course of study was of a kind for which some reputable institutions in this country give A.B., while others give B.S.

Amount of Work Required.—Candidates for the degree of Master of Arts or Master of Science are required to do at least one full year's work in residence, including a thesis. By this is meant from four to five unit courses each semester, or their equivalent. A unit course is one which requires ten hours of time a week through one semester, or fifteen hours of time a week through the summer quarter of twelve weeks, irrespective of the mode of distribution of that time in class work, laboratory work, and private study. Four such courses or their equivalent constitute a full *minimum* program for one semester, and eight such courses, or their equivalent, constitute the *minimum formal* year's work accepted for a master's degree. Only first-rate students are permitted to secure a degree with this minimum program.

Unless otherwise permitted, every student must take each semester at least one course open to graduate students only (courses numbered 100 and upwards).

In the first year of his graduate study each student is required to attend a minimum of four formal class, lecture, or laboratory exercises a week. In no case is he permitted during his course to attend more than twelve a week, without permission.

Grades.—Students' work is graded in five classes, A, B, C, D and E. The last indicates a failure. D indicates unsatisfactory, though passable, work.

A student who receives two units of a grade below B during his first year of graduate work may not complete the first year of residence by carrying the minimum program of eight units for the master's degree. Three units of a grade below B disqualify a student as a candidate for a degree.

A failure or absence from examination in any course may prevent the conferring of the degree; and, as already indicated, failure in any course in the major field precludes the conferring of the degree in the same year.

Majors and Minors.—A candidate for a master's degree may do all his work in one subject, or he may select a major and one minor, or a major and two minors. A major or a minor denotes the field of knowledge of a department, or such part thereof as constitutes a separate and independent division of that field. For a master's degree a major is at least half the work, or a minimum of four units, for one year. Less than one unit may not be counted as satisfying the requirements of a minor without the approval of the department concerned.

Foreign Language.—The ability to use one or more of the modern languages ordinarily studied in the undergraduate curriculum is expected of all candidates for the master's degree, and in some lines of study is required. No student will be permitted to acquire residence toward the second year for the doctorate until he has passed the preliminary examination in at least one of these languages. (This regulation becomes effective in September, 1933.)

Master's Thesis.—Each candidate for a master's degree is required to present a thesis on some subject approved by the professor in charge of his major work and the Executive Faculty of the Graduate School. Such approval, except in the case of students working for master's degrees in summer sessions only must be secured and the subject of the thesis filed at the office of the Graduate School not later than the beginning of the second half year of residence. The requirement of a thesis may be waived, however, upon the recommendation of the head of the department in which the student is doing his major work and the approval of the Director, provided application to waive the thesis is made at the time for announcing thesis subjects. A student excused from writing a thesis must replace it with additional courses of instruction.

No one will be excused from writing a thesis unless one-half of his program of studies consists of courses numbered 100 and upwards.

The thesis required from a candidate for a master's degree ordinarily will demand one-fourth of the student's time and may not exceed one-third of it. The thesis must be typewritten, on "thesis-paper,"[1] and the title page must be printed. The thesis in its final form, together with a certificate of approval by the proper officer, must be sent by the professor in charge to the Dean's Office at least two weeks before the date on which the degree is to be conferred. No article prepared for another use, or previously published, will be accepted as a thesis.

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[1] No other will be accepted by the Dean. "Instructions for the Preparation of Theses" may be obtained at the Secretary's Office, Room 338, Research Laboratory and Library Building.

Under proper conditions a student may be permitted to complete the last fourth of his work, if devoted to his thesis, under leave of absence for a period not to exceed the equivalent of two semesters. To get such permission the student must have secured proper credit for at least six units; must petition for the privilege; must submit to the Dean an outline of the proposed investigation, approved by the head of his major department; and must submit satisfactory evidence that adequate facilities are available to him at the place where he intends to do the proposed work. Approval on all these points must be obtained one collegiate year before the thesis is due. Immediately following approval the student must register and pay an incidental fee of $20.00.

Applications for Degrees.—Each candidate for the degree of Master of Arts or Master of Science shall file an application for the degree on a blank provided for the purpose, to be had at the Secretary's office. For the dates of application and deposition of theses, consult the calendar at the beginning of the bulletin.

THE DEGREE OF DOCTOR OF PHILOSOPHY

Major and Minor Subjects.—A member of the Graduate School who desires to become a candidate for the degree of Doctor of Philosophy is required to pursue a major subject in the department in which his research lies. He is also required to choose one minor subject, or he may choose two. If one minor only is chosen it must be taken in a department of study other than that of the major, and credit for it may be earned by work representing not less than four units, or one-sixth of the total residence required for the doctorate. If two minors are chosen, one must be a subject closely related to the major. With the approval of the adviser it may be a division of the major field of study. The other minor (not less than two units) must, in that case, be taken in a department of study other than that of the major.

Except by special permission of the Dean the preliminary examination in major and minor subjects may not be taken until the minor work has been done.

Method of Computing Residence.—Credit for a full year of graduate work means that the student has during that time devoted all his working time and energy to study of a graduate grade. After the first year of residence credit is not recorded in units, and there is no fixed correspondence between credit and course as in undergraduate work. Thus it is possible for a second-year student to devote all his time to one course and his research; and for a third-year student to devote all his time to his research work alone.

Period of Study.—The *minimum* period of study required for securing the degree of Doctor of Philosophy is three years, during which the student is required to devote all his working time to his studies. All three years must be spent in residence at some accredited educational institution, and either the first two or the last one of the three must be spent at the University of Illinois. The degree is conferred, however, not for residence, during a certain period, but for scholarly attainments and power of investigation, as proved by theses and examinations.

Work Done in Other Universities.—Credit for graduate work done in other universities is not "transferred." However, it may be accepted on examination

as equivalent to resident work at the University of Illinois, provided the institution in which it was done is of high standing.

PRELIMINARY EXAMINATIONS

A. *In Languages.*—The student will be required to demonstrate his ability to read French and German and other languages needed in his work. No student will be permitted to acquire residence towards the second year of graduate study until he has passed the examination in at least one of these languages. (This regulation becomes effective in September, 1933.) Both the examination in French and that in German must be passed before the student is admitted to the preliminary examination in his major and minor subjects.

B. *In Major and Minors.*—Towards the end of his second year of study, or by special permission, at the beginning of this third year (not later than the first Saturday in October), a student who wishes to become a candidate for the degree must submit to a preliminary examination. This examination is intended to test the student's knowledge of the fields of his major and minor subjects of study only. It is partly oral, and may be wholly so.

The student will not be admitted to his preliminary examination until the faculty is satisfied that he has finished substantially the equivalent of two years' graduate work. He must do a full year's graduate work between his preliminary examination and the completion of his work for the doctorate.

FINAL EXAMINATION

At least two weeks before the time when the degree is conferred, the candidate must submit to a final examination, given by a committee appointed by the Dean. This examination is primarily on the research work of the student, as embodied in his thesis, but is not confined to that. It extends to the whole field of study of the candidate. It will not be confined to the courses which the candidate has attended in the University of Illinois only, if he has done part of the work elsewhere; nor even to the field covered by the courses, specifically taken in this or other universities; but will be so conducted as to determine whether the candidate has a satisfactory grasp of his major subject as a whole, and a general acquaintance with the fields of knowledge represented by his course of study.

The final examination may not be divided. The examination must be taken all at one time though it requires several sessions.

If after having passed his preliminary examination, he fails in the third year of his study to meet the expectations of the professors in charge of his work, or in any way fails to maintain the standard of scholarship and power of research expected of him, he may be refused admission to the final examination.

Other Examinations.—Before the candidate is admitted to the final examination and the defense of his thesis, he may be required to take any other examination, oral or written, that is thought proper by the various departments in which he has studied.

The above examinations are in addition to those in the courses for which the student is registered. These must be taken at times for which they are set in the examination schedule.

Thesis.—The power of independent research must be shown by the production of a thesis on some topic connected with the major subject of study. The candidate is expected to defend his thesis or dissertation before the members of the faculty, or as many of them as may wish to question him about it, in connection with his final examination.

The subject of the thesis should be chosen not later than the end of the second year of residence and must be submitted for formal approval by the faculty not later than six weeks from the beginning of his third year of residence.

A typewritten copy of the complete thesis, *on thesis paper,* and in final form must be deposited in the office of the Dean for presentation to the examining committee not later than two weeks prior to the final examination, and not less than four weeks before the time when the degree is conferred. At the same time, the candidate must deposit with the Dean a manuscript of the essential part, or an abstract, or a digest of his thesis, in condition for publication at a cost not to exceed seventy-five dollars ($75). The manuscript must be sufficient to show the method followed, the evidence used and the conclusions reached in the investigation, and must bear the approval of the department and the Executive Faculty of the Graduate School.

The candidate must pay to the Comptroller before graduation the sum of seventy-five dollars ($75) out of which the University will print at least one hundred copies of this manuscript for circulation by the University, unless the thesis entire or in abbreviated form is published by the author or is accepted for publication by a standard journal or publisher within a year from the date of graduation. In the latter event, and after one hundred copies have been presented to the University by the writer, the cash deposit shall be returned to him.

The typewritten and printed forms of the thesis must comply with the regulations given in "instructions for the preparation of masters' and doctors' theses," copies of which may be obtained at the Secretary's office.

Fees and Expenses.—Except as noted below, graduate students in medicine and dentistry pay fees as follows:

Matriculation fee	$10.00
Incidental fee (summer quarter)	20.00
Students not residents of Illinois pay an incidental fee of	30.00
Incidental fee (semester)	35.00
Students not residents of Illinois pay each semester an incidental fee of	62.50
Diploma fee	10.00

For the graduate course in orthodontia in preparation for the practice of orthodontia as a specialty, the yearly tuition fee is $600, one-third payable at the beginning of the second semester in February, at which time the course opens, one-third in June at the beginning of summer school, one-third in October, at the beginning of the first semester.

All graduate students who have not matriculated as undergraduates at the University of Illinois pay the matriculation fee on entrance.

All graduate students pay the diploma fee on being recommended for their degrees.

LIBRARY

Adequate library facilities are essential to the prosecution of graduate work and research. In the library may be found files of journals, monographs, separates, and standard texts supplying nearly every need.

DEPARTMENTS OF INSTRUCTION

ANATOMY

101. *Histogenesis and Experimental Morphology.*—Cytological and morphological changes in the organism which are directly correlated with normal processes, such as reproduction, differentiation, nutrition, growth, variation, regulation, regeneration, activity, secretion, rest, fatigue, senility. One or two units. Professor KAMPMEIER, Associate Professor REAGAN

103. *Individual Research in Embryology and Histogenesis.*—One or two units. Professor KAMPMEIER, Associate Professor REAGAN

105. *Advanced Anatomy.*—One or two units. Professor KAMPMEIER, Associate Professor REAGAN

DENTAL HISTOLOGY

101. *Advanced Dental Histology.*—One or two units. Associate Professor SCHOUR

107. *Research in Microscopic Anatomy (Teeth and Related Tissues).*—One to three units. Associate Professor SCHOUR

DENTAL PATHOLOGY AND THERAPEUTICS

101. *Advanced Therapeutics.*—One or two units. Professor BLAYNEY

103. *Therapeutic Research.*—One or two units. Professor BLAYNEY

DERMATOLOGY

101. *Research in Dermatology.*—One to three units. Professor SENEAR

JUVENILE BEHAVIOR

101. *Research in Juvenile Behavior.*—One to three units. Professor SCHROEDER

103. *Special Abilities and Disabilities.*—One to two units. Dr. BROWN

104. *Psychological Tests.*—One to two units. Dr. BROWN

105. *Psychology of Behavior Problems.*—One to two units. Dr. BROWN

LARYNGOLOGY, RHINOLOGY AND OTOLOGY

101. *Research in Laryngology, Rhinology and Otology.*—One to three units.

MEDICINE

101. *Research in Medicine.*—One to three units. Professor WILLIAMSON

METALLURGY

101. *Metallurgical Research.*—One or two units. Professor WELKER

NEUROLOGY AND PSYCHIATRY

101. *Research in Neurology.*—One to three units. Professor HASSIN

102. *Research in Psychiatry.*—One to three units. Professor SINGER

OBSTETRICS AND GYNECOLOGY

101. *Research in Obstetrics and Gynecology.*—One to three units. Professor FALLS

OPHTHALMOLOGY

101. *Research in Ophthalmology.*—One to three units. ————

ORAL SURGERY

101. *Pathology of Mouth.*—One or two units. Professor MOOREHEAD

103. *Oral Surgery.*—One or two units. Professor MOOREHEAD

ORTHODONTIA

101. *Orthodontia.*—One or two units. Professor NOYES

ORTHOPAEDICS

101. *Research in Orthopaedics.*—One to three units. Professor THOMAS

PATHOLOGY AND BACTERIOLOGY

101. *Advanced Pathogenesis.*—Etiology and pathogenesis of certain diseases with especial consideration of the role that the lower animals play in the transmission of human disease. Lectures, conferences, demonstrations, assigned readings. One or two units.
Professor DAVIS, Professor PETERSEN, Professor ARNOLD

103. *Individual Research Course.*—One or two units.
Professor DAVIS, Professor PETERSEN, Professor ARNOLD

PEDIATRICS

101. *Research in Pediatrics.*—One to three units. Professor HESS

PHARMACOLOGY

101. *Advanced Pharmacodynamics.*—Laboratory work. One or two units.
Professor McGUIGAN, Associate Professor CAMP

103. *Research in Pharmacodynamics.*—One or two units.
Professor McGUIGAN, Associate Professor CAMP

PHYSIOLOGICAL CHEMISTRY

101. *Advanced Biological Chemistry.*—Biochemical methods of research, biological colloids, enzyme action, and metabolism. One or two units.
Professor WELKER, Associate Professor BERGEIM

103. *Biochemical Research.*—One or two units.
Professor WELKER, Associate Professor BERGEIM

PHYSIOLOGY

101. *Advanced Physiology.*—An introduction to original work in Experimental Physiology. Individual instruction in fundamental methods. Laboratory courses. One or two units. Professor VISSCHER

102. *Research Work in Physiology.*—One or two units. Professor VISSCHER

103. *Research in Bio-Physics.*—One to three units. Professor BACHEM

SURGERY

101. *Research in Surgery.*—One to three units. Professor HEDBLOM

REGISTER OF STUDENTS
GRADUATE SCHOOL
1931-1932

SUMMER QUARTER—1931

Aaronson, Abraham Louis — Physiological Chemistry. B.S., 1926, M.D., 1929, M.S., 1931. Chicago.

Alcorn, Marshall Welle—Surgery. B.S., 1925, M.D., 1929. Chicago.

Appelman, Benjamin—Pathology. B.S., 1930. Chicago.

Baer, Walter Hilmar—Surgery. B.S., 1929. Peoria, Ill.

Balding, Bruce Ned — Bacteriology. A.B., 1929. Chicago

Bart, Alexander Michael—Bacteriology. Chicago.

Baxter, Robert Knighton—Dental Therapeutics. D.D.S., 1924. Chicago.

Becker, Harry Gregory — Surgery. B.S., 1930. Kampsville, Ill.

Bernell, Edward Charles—Pathology. B.S., 1930. Chicago.

Bernstein, Harold — Pharmacology. B.S., 1931. Chicago.

Blayney, James Roy — Pathology, D.D.S., Northwestern University, 1913, B.S., Lewis Institute, 1924, M.S., University of Chicago, 1928. Chicago.

Boonstra, Frank Maurice—Surgery. A.B., University of Michigan, 1923, M.D., Rush Medical College, 1928. Chicago.

Briggs, Frances Agnes—Physiological Chemistry, B.S., 1926, M.S., Tulane University of Louisiana, 1928. Metamora, Ill.

Brown, Ralph R.—Psychology. A.B., Ohio University, 1931, M.A., 1932. Cleveland, O.

Clark, Rebecca Isabelle—Physiological Chemistry. B.S., 1927. Chicago.

Cohen, Melvin Russell — Pathology. B.S., 1931. Chicago.

Cornbleet, Theodore — Dermatology. B.S., M.D., St. Louis University Medical School, 1921, 1923, M.S., 1931. Chicago.

Dickson, Dorothy—Physiological Chemistry. A.B., Knox College, 1928. Galesburg, Ill.

Dillman, Lucius Matlock—Physiology. B.S., 1931. Chicago.

Dine, William Clay, Jr.—Pharmacology. B.S., 1930. Maroa, Ill.

Elmer, Heward Ellis — Bacteriology. B.S., Michigan State College, 1921. Chicago.

Emig, Herbert Martin—Pharmacology. Ph.G., B.S., Philadelphia College of Pharmacy and Science, 1919, 1924, M.S., 1931. Oak Park, Ill.

Ewing, Paul Leon—Pharmacology. B.A., Milton College, 1926, M.S., 1929. Oak Park, Ill.

Feinerman, Albert Hymen — Pharmacology. B.S., 1930. Chicago.

Firth, John Oscar — Pharmacology. B.S., Monmouth College, 1921. Chicago.

Fisher, Catherine Virginia — Bacteriology. B.A., University of Wisconsin, 1929, M.S., 1931. Valparaiso, Ind.

Francis, Margie Elizabeth—Psychology. A.B., 1930, M.S., 1932.

Francona, Anthony T.—Bacteriology. B.S., 1931. Chicago.

Goldstein, Abraham — Orthodontia. D.D.S., 1924. Chicago.

Greenberg, Leo Jack—Pharmacology. B.S., 1930. Chicago.

Gustafson, Carl Julius—Bacteriology. B.S., 1931. Chicago.

Hanus, George—Bacteriology. B.S., University of Chicago, 1927. Chicago.

Harvey, Cecil Claude—Physiological Chemistry. B.S., University of Louisville, 1929, M.S., University of Chicago, 1931. Chicago.

Hecht, Rudolph — Pathology. B.S., 1930. Chicago.

Highman, Benjamin—Pathology. B.S., 1930. Chicago.

Hine, Maynard Kiplinger—Therapeutics. D.D.S., 1930. Chicago.

Holub, John James — Orthodontia. D.D.S., 1930. Chicago.

Hurwitz, Paul—Pathology. B.S., 1930, M.S., 1932. Chicago.

Humble, Thomas William—Dental Therapeutics. D.D.S., 1925. Chicago.

Jacobson, Earl Grant—Oral Surgery. D.D.S., 1929. Chicago.

Jaffray, David Smeaton—Pharmacology. B.S., 1930. Chicago.

Joannides, Minas—Surgery. M.D., Washington University, 1921, M.S., 1928. Chicago.

Johnson, Titus M. — Bacteriology. B.A., Wheaton College, 1928, B.S., Northwestern University, 1929. Chicago.

Kaplan, Samuel—Obstetrics and Gynecology. B.S., 1922, M.D., 1925. Chicago.

Klein, Reuben Isadore—Physiological Chemistry. A.B., 1927, B.S., 1929, M.S., 1931. Chicago.

Kobak, Alfred Julian—Obstetrics. B.S., 1921, M.D., 1925, M.S., 1929. Chicago.

Kominik, Emanuel A.—Bacteriology. B.S., 1930. Chicago.

Korando, Elladeane — Bacteriology. B.E., Southern Illinois Normal University, 1926. Raddle, Ill.

Levinson, Samuel Azor—Pathology. B.S., 1917, M.D., M.S., 1919. Chicago.

Lieboner, S. K. Eugenia—Physiological Chemistry. A.B., Rockford College, 1928. Chicago.

MacFate, Robert Preston — Physiological Chemistry. Ch. E., Lehigh University, 1925, M.S., 1929. Chicago.

Malachowski, Florence Victoria — Bacteriology. B.S., D.D.S., Northwestern University Dental School, 1930. Chicago.

Maryan, Harry Oliver — Obstetrics. S.B., 1921, M.D., 1922. Chicago.

McDaniels, Herbert Eli—Bacteriology. B.S., University of Chicago, 1925. Chicago.

Meyer, Harold Irving—Surgery. A.B., 1919, M.D., Rush Medical College, 1923. Chicago.

Miller, Donal Sidney — Physiology. B.S., 1930. Chicago.

Miller, Walter Ulysses—Bacteriology. A.B., 1927. Shumway, Ill.

Milliken, Margaret Eugenie — Physiological Chemistry. A.B., Colorado College, 1926.

Morrison, Sherman William—Pharmacology. Ph.G., Ph.D., University of Iowa, 1918, 1921, B.S., South Dakota State College, 1924, M.S., University of Iowa, 1927. Oak Park, Ill.

Nedzel, Alexander John—Bacteriology. Diploma of Physician, New Russian Imperial University, 1913. Elmwood Park, Ill.

Neiman, Benjamin Harold—Pathology. B.S., M.D., University of Chicago, 1926, 1930. Chicago.

Nelson, Tell—Medicine. S.B., University of Chicago, 1931, M.D., Rush Medical College, 1924. Chicago.

O'Malley, James Emmett—Bacteriology. B.S., University of Chicago, 1930. Chicago.

Orloff, Morris Phillip — Physiological Chemistry. B.S., 1930. Chicago.

Powell, Frank Elizabeth—Bacteriology. A.B., 1929. Canton, Ill.

Ronstrom, George — Anatomy. B.S., 1929. Kewanee, Ill.

Rosenthal, Sol Roy—Pathology. B.S., 1925, M.D., 1929, M.S., 1931. Chicago.

Sanderson, Helen E. — Psychology. B.A., Smith College, 1930, M.S., 1932. Chicago.

Schwartz, Arthur Harold—Pathology. B.S., 1930. Chicago.

Scuderi, Carlo S.—Orthopaedics. B.S., 1926, M.D., 1929. Chicago.

Seidman, Edward Edgar Park—Bacteriology. Ph.G., 1926, B.S., 1930. Chicago.

Shuger, Michael Harschel — Bacteriology. B.S., 1931. Chicago.

Silverstone, Eugene Henry—Anatomy. B.S., University of Washington, 1924. Chicago.

Stagman, Joseph.—Pathology. B.S., 1930. Chicago.

Steck, Isadore—Physiology. B.S., 1930. Chicago.

Sugar, Carl — Pharmacology. B.S., 1930. Chicago.

Teeters, Esther Florence — Physiological Chemistry. A.B., 1925, M.S., 1931. Chicago.

Templeton, Lawrence—Pharmacology. B.S., Oregon State Agricultural College, 1927. Oak Park, Ill.

Thacker, Edgar Abney—Physiology. A.B., 1927, B.S., 1930. Danville, Ill.

Wilkinson, Lynn Carter—Orthodontia. D.D.S., 1930. Chicago.

Wolfson, Albert Abraham—Pathology. B.S., University of Chicago, 1926, Chicago.

SESSION 1931-32

Aaronson, Abraham Louis — Physiological Chemistry. B.S., 1926, M.D., 1929, M.S., 1931. Chicago.

Alcorn, Marshall Welle — Surgery. B.S., 1925, M.D., 1929. Chicago.

Appelman, Benjamin—Pathology. B.S., 1930. Chicago.

Arenz, Dorothy Jessie — Juvenile Behavior. B.S., 1928, M.D., 1931. Chicago.

Aronofsky, Edward—Pharmacology. Ph.G., 1927, B.S., 1930. Chicago.

Asher, Harry H.—Metallurgy. D.D.S., 1931. Chicago.

Balding, Bruce Ned — Bacteriology. A.B., 1929. Chicago.

Ballin, Misha—Physiological Chemistry. B.S., 1931. Chicago.

Bart, Alexander Michael—Bacteriology. Chicago.

Baxter, Robert Knighton—Dental Therapeutics. D.D.S., 1924. Chicago.

Becker, Harry Gregory—Surgery. B.S., 1930. Kampsville, Ill.

Becker, Maurice Loren — Juvenile Behavior. B.S., 1931. Chicago.

Bedard Robert Edward — Medicine. A.B., 1929, B.S., 1931. Chicago.

Bernell, Edward Charles—Pathology. B.S., 1930. Chicago.

Bernstein, Harold — Pediatrics. B.S., 1931. Chicago.

Bernstein, Samuel Leonard — Bacteriology. B.S., 1931. Chicago.

Berry, Leonidas Harris — Pathology. B.S., Wilberforce University, 1924, S.B., University of Chicago, 1925, M.D., Rush Medical College, 1930. Chicago.

Blayney, Harold Vincent—Dental Therapeutics. D.D.S., 1928. Chicago.

Blayney, James Roy — Pathology. D.D.S., Northwestern University, 1931, B.S., Lewis Institute, 1924, M.S., University of Chicago, 1928. Chicago.

Boonstra, Frank Maurice—Surgery. A.B., University of Michigan, 1923, M.D., Rush Medical College, 1928. Chicago.

Bortniker, Elijah—Bacteriology. B.S., University of Wisconsin, 1927, M.S., Northwestern University, 1931. Chicago.

Briggs, Frances Agnes—Physiological Chemistry. B.S., 1926, M.S., Tulane University of Louisiana, 1928. Metamora, Ill.

Brodie, Allan Gibson—Orthodontia. D.D.S., University of Pennsylvania, 1919. Park Ridge, Ill.

Brown, Ralph R.—Psychology. A.B., Ohio University, 1931, M.A., 1932, Cleveland, O.

Burke, Frieda—Bacteriology. B.A., Goucher College, 1930. Baltimore, Md.

Burns, Herschel Smith—Physiology. A.B., University of Southern California, 1928. Salt Lake City, Utah.

Carow, Theodore Moffett — Surgery. B.S., 1929. Chicago.

Carpenter, Paul David—Physiological Chemistry. Ph.G., 1925, B.S., University of Michigan, 1930. Elgin, Ill.

Chern, Bernard Victor—Bio-Physics. B.S., 1931. Chicago.

Christenson, Ruth Kingsbury—Orthopaedics. A.B., University of Utah, 1929. Chicago.

Cirrincione, Francis Anthony—Bacteriology. B.S., 1932. Chicago.

Clark, Rebecca Isabelle—Physiological Chemistry. B.S., 1927. Chicago.

Cohen, Faye — Psychology. B.A., 1931. Harvey, Ill.

Cohen, Jacob—Biophysics. B.S., 1931. Maryville, Ill.

Cohen, Melvin Russell — Pathology. B.S., 1931. Chicago.

Cooper, Harry — Physiological Chemistry. B.S., 1932. Chicago.

Cornbleet, Theodore — Dermatology. B.S., M.D., St. Louis University Medical School, 1921, 1923, M.S., 1931. Chicago.

Cramer, Emily Winifred—Bacteriology. A.B., Southwestern College, 1926. Chicago.

DeCosta, Edwin J.—Pathology. B.S., University of Chicago, 1926, M.D., Rush Medical College, 1929. Chicago.

Deuss, Hugo Otto—Pathology. B.S., 1922, M.D., 1925. Chicago.

Deutsch, Sidney Quentin—Orthodontia. D.D.S., 1931. Chicago.

Dickson, Dorothy—Physiological Chemistry. A.B., Knox College, 1928. Galesburg, Ill.

Dillman, Lucius Matlock—Physiology. B.S., 1931. Chicago.

Dine, William Clay, Jr.—Pharmacology. B.S., 1930, Maroa, Ill.

Dushkin, Milton Arnold—Biophysics. B.S., 1931. Chicago.
Edel, Frank Wayne — Physiological Chemistry. A.B., 1931. Chicago.
Eggert, Floyd Herman—Bacteriology. B.S., University of Wisconsin, 1926. Woodworth, Wis.
Ehman, Everly Margaret—Psychology. B.A., 1931. Chicago.
Emig, Herbert Martin—Pharmacology. Ph.G., B.S., Philadelphia College of Pharmacy and Science, 1919, 1924, M.S., 1931. Oak Park, Ill.
Ewing, Paul Leon — Pharmacology. B.A., Milton College, 1926, M.S., 1929. Oak Park, Ill.
Farlander, Leland Kenneth—Physiology. B.S., 1931. Chicago.
Feinerman, Albert — Pharmacology. B.S., 1930. Chicago.
Feinhandler, Harold Samuel — Physiology. Chicago.
Firth, John Oscar — Pharmacology. B.S., Monmouth College, 1921. Chicago.
Fisher, Catherine Virginia — Bacteriology. B.A., University of Wisconsin, 1929, M.S., 1931. Valparaiso, Ind.
Fogwell, Dorothy Jane—Psychology. B.A., 1931. Chicago.
Forkosh, Sydney R. — Gynecology. B.S., 1927, M.D., 1930. Chicago.
Francis, Margie Elizabeth — Psychology. A.B., 1930, M.S., 1932.
Francona, Anthony T. — Anatomy. B.S., 1931. Chicago.
Gant, Virgil Arnett — Pharmacology. B.S., 1921, M.S., 1932.
Gillesby, William James—Physiological Chemistry. S.B., University of Chicago, 1927, B.S., 1929. Chicago.
Gerlach, Elsie—Bacteriology. D.D.S., University of Pennsylvania, 1925. Chicago.
Gilman, George Everett—Physiological Chemistry. B.A., 1931. Weston, Ill.
Godwin, Andrew Charles—Orthodontia. B.S., 1929, D.D.S., 1932. Chicago.
Goldstein, Hyman Harry — Anatomy. Chicago.
Greenberg, Leo Jack—Pharmacology. B.S., 1930. Chicago.
Greenstein, Bernard Louis — Juvenile Behavior. B.S., 1931. Chicago.
Grubb, Thelma E.—Psychology. B.S., Ohio University, 1930. Chicago.
Gustafson, Carl Julius—Bacteriology. B.S., 1931. Chicago.
Hahn, Jacob Francis — Bacteriology. B.S., 1930. Chicago.
Hark, Florence White — Obstetrics. B.S., M.D., University of Iowa, 1919, 1922. Chicago.
Harvey, Cecil Claude — Physiological Chemistry. B.S., University of Louisville, 1929, M.S., University of Chicago, 1931. Chicago.
Haskins, Frederick E. — Pathology. B.S., 1926, M.D., 1929. Zeigler, Ill.
Hecht, Rudolph — Pathology. B.S., 1930. Chicago.
Henner, Robert—Medicine. B.S., 1931. Chicago.
Herndon, Zelma Lamb—Physiological Chemistry. B.S., 1929. Chicago.
Hick, Ford Kimmel—Pathology. B.S., 1928, M.D., 1931. Oak Park, Ill.
Hill, Harold Herrin—Obstetrics. B.S., 1926, M.D., 1929. La Grange, Ill.
Hine, Maynard Kiplinger—Therapeutics. D.D.S., 1930. Chicago.
Holstein, Theodore—Anatomy. Chicago.
Holub, John James—Orthodontia. D.D.S., 1930. Chicago.
Holzman, Louis Lionel—Oral Surgery. D.D.S., 1930. Chicago.
Hood, Marion—Medicine. B.A., Carroll College, 1918, M.A., University of Wisconsin, 1928. Rapid City, S. Dak.
Humble, Thomas William—Dental Therapeutics. D.D.S., 1925. Chicago.
Hurwich, Jerome Jacob — Pathology. B.S., 1931. Chicago.
Hurwitz, Paul—Pathology. B.S., 1930, M.S., 1932.
Ingber, Nathan—Pharmacology. B.S., 1931. Chicago.
Jacobson, Earl Grant—Oral Surgery. D.D.S., 1929. Chicago.
Jaffray, David Smeaton — Surgery. B.S., 1930. Chicago.
Joannides, Minas—Surgery. M.D., Washington University, 1921, M.S., 1928. Chicago.
Johnson, Emily Jennie—Psychology. A.B., 1931. Chicago.
Kahn, Harold—Biophysics. Chicago.
Kaplan, Morris Aaron—Physiological Chemistry. B.S., 1929, M.S., 1931. Chicago.
Kaplan, Samuel—Obstetrics and Gynecology. B.S., 1922, M.D., 1925, M.S., 1931. Chicago.
Kesel, Robert George—Bacteriology. D.D.S., 1926, M.S., 1931. Aurora, Ill.
Klein, Reuben Isadore—Physiological Chemistry. A.B., 1927, B.S., 1929, M.S., 1931. Chicago.
Klotz, Maurice — Juvenile Behavior. B.S., 1931. Chicago.
Kobak, Alfred Julian—Obstetrics. B.S., 1921, M.D., 1925, M.S., 1929. Chicago.
Kominik, Emanuel A.—Bacteriology. B.S., 1930. Chicago.
Koransky, David Sydney—Biophysics. B.S., 1931. Chicago.
Kramp, Edgar H. — Dental Therapeutics. B.S., 1929, and D.D.S., 1931. Forest Park, Ill.
Kruglick, Jack Sanford—Pharmacology. B.S., 1931. Chicago.
Lambert, Claude Needham—Surgery. A.B., University of Utah, 1924, M.D., University of Chicago, 1928. Chicago.
Learner, Aaron — Pathology. B.S., 1927, M.D., 1929, M.S., 1929. Chicago.
Levin, Sara—Anatomy. A.B., 1927. Chicago.
Levine, Arthur Harry—Physiological Chemistry. B.S., 1930. Chicago.
Levine, Victor—Pathology. S.B., University of Chicago, 1925, M.D., Rush Medical College, 1929. Chicago.
Levinson, Samuel Azor — Pathology. B.S., 1917, M.D., M.S., 1919. Chicago.
Levy, Jacob—Pathology. B.S., 1930. Chicago.
Lyon, Verne Wesley—Psychology. Ph.B., University of Wisconsin, 1928.
MacFate, Robert Preston — Physiological Chemistry. Ch.E., Lehigh University, 1925, M.S., 1929. Chicago.
Malachowski, Florence Victoria — Bacteriology. B.S., D.D.S., Northwestern University Dental School, 1930. Chicago.
Marks, Meyer Benjamin—Psychiatry. B.S., 1931. Chicago.
Maryan, Harry Oliver — Obstetrics. S.B., 1921, M.D., 1922, M.S., 1931. Chicago.
Mauzey, Armand Jean—Surgery. B.S., 1931. Findlay, Ill.
McDaniels, Herbert Eli—Bacteriology. B.S., University of Chicago, 1925. Chicago.
McQueen, Max Boyd—Pharmacology. B.S., 1930. Hutsonville, Ill.
Mesirow, Sidney David — Pathology. B.S., 1928. Chicago.

Meyer, Esther — Bacteriology. Ph.G., 1924, B.S., University of Michigan, 1930. Chicago.

Meyer, Harold Irving—Surgery. A.B., 1919, M.D., Rush Medical College, 1923. M.S., 1932. Chicago.

Miller, Donald Sidney — Physiology. B.S., 1930. Chicago.

Miller, Leo Frederick — Pathology. B.S., 1927, M.D., 1930. Chicago.

Milles, George — Pathology. Ph.G., 1921, B.S., 1923, M.D. 1929. Chicago.

Milliken, Margaret Eugenie — Physiological Chemistry. A.B., Colorado College, 1926. Chicago.

Moldavsky, Leon Frank — Anatomy. A.B., Western Reserve University, 1931. Chicago.

Morrison, Sherman William—Pharmacology. Ph.G., Ph.C., University of Iowa, 1918, 1921, B.S., South Dakota State College, 1924, M.S., University of Iowa, 1927. Oak Park, Ill.

Nedzel, Alexander John—Bacteriology. Diploma of Physician, New Russian Imperial University, 1913, M.S., 1931. Chicago.

Neel, James Todd—Oral Surgery. D.D.S., 1931. Chicago.

Neiman, Benjamin Harold—Pathology. B.S., M.D., University of Chicago, 1926, 1930. Chicago.

Nelson, Tell—Medicine. S.B., University of Chicago, 1931, M.D., Rush Medical College, 1924. Chicago.

O'Malley, James Emmett—Bacteriology. B.S., University of Chicago, 1930. Chicago.

Orloff, Morris Phillip—Physiological Chemistry. B.S., 1930. Chicago.

Pane, Peter S.—Bacteriology. M.D., 1925. Chicago.

Pertzoff, Leon George—Surgery. M.D., 1927. Chicago.

Peters, Howard Chester—Physiology. B.S., Northwestern University, 1932. Chicago.

Poppen, James Leonard — Surgery. A.B., Hope College, 1926, M.D., Rush Medical College, 1930. Holland, Mich.

Puumala, Reino Hendrick—Anatomy. B.S., 1931. Roberts, Montana.

Radner, David—Pharmacology. B.S., 1931. Chicago.

Rappaport, Ben Zion—Pathology. B.S., 1920, M.D., 1923. Chicago.

Reynolds, John Todd—Pathology. B.S., 1930. Dwight, Ill.

Rome, Sol—Physiological Chemistry. B.S., 1931. Chicago.

Ronstrom, George Nelson—Anatomy. B.S., 1929. Kewanee, Ill.

Rosenthal, Sol Roy—Pathology. B.S., 1925, M.D., 1929, M.S., 1931. Chicago.

Rubisoff, Rubin—Anatomy. Chicago.

Sanderson, Helen E. — Psychology. B.A., Smith College, 1930, M.S., 1932. Chicago.

Scheffler, Milton Morris — Pharmacology. Chicago.

Schnepp, Kenneth H. — Pathology. A.B., 1928, B.S., 1929. Springfield, Ill.

Schubert, Abraham Boris—Pathology. B.S., 1931. Chicago.

Schwartz, Arthur Harold—Pathology. B.S., 1930. Chicago.

Schwartz, Harry—Anatomy. Chicago.

Scuderi, Carlo S.—Orthopaedics. B.S., 1926, M.D., 1929. Chicago.

Searing, Edmund A.—Pathology. B.S., University of Chicago, 1930. Chicago.

Seidmon, Edward Edgar Park—Bacteriology. Ph.G., 1926, B.S., 1930. Chicago.

Shapiro, Zelda Harriet—Psychology. Ph.B., University of Chicago, 1930, M.S., 1932. Chicago.

Shellow, Harold—Dermantology. B.S., 1927, M.D., 1931. Chicago.

Shuger, Michael Hershel—Bacteriology. B.S., 1931. Chicago.

Smith, Kenneth John—Pathology. B.S., 1927, M.D., 1930. Blue Island, Ill.

Smith, Paul W.—Physiology. B.S., Kansas State Teachers College, 1928, M.S., University of Tennessee, 1929. Chicago.

Spiesman, Irwin Gabriel—Bacteriology. B.S., 1919, M.D., 1922. Oak Park, Ill.

Spivack, Mary—Pathology. M.D., Novorossisky University, 1920, M.S., 1931. Chicago.

Stagman, Joseph — Pathology. B.S., 1930. Chicago.

Steck, Isadore E.—Physiology. B.S., 1930. Chicago.

Stocker, Silka—Bacteriology. B.A., Wellesley College, 1927. New York City, N. Y.

Strickler, Martin Sidney—Orthodontia. D.D.S., Columbia University, 1931, Brooklyn, N. Y.

Stuart, Carroll W.—Bacteriology. D.D.S., University of Illinois, 1912, B.S., 1927, M.D., M.S., 1929. Chicago.

Sugar, Carl — Pharmacology. B.S., 1930. Chicago.

Summerville, Milton Joseph—Obstetrics and Gynecology. A.B., University of Kentucky, 1923, M.D., 1928. Oak Park, Ill.

Tarlow, Lillian Solomon—B.S., M.D., Loyola University, 1929, 1931. Chicago.

Teeters, Esther Florence—Physiological Chemistry. A.B., 1925, M.S., 1931. Chicago.

Templeton, Lawrence—Pharmacology. B.S., Oregon State Agricultural College, 1927. Oak Park, Ill.

Terry, Lawrence—Pharmacology. B.S., University of Washington, 1931. Chicago.

Thacker, Edgar Abney — Physiology. A.B., 1927, B.S., 1930. Danville, Ill.

Tulsky, Alex Sol—Physiology. Chicago.

Wach, Edward Charles—Physiological Chemistry. Ph.G., 1907, D.D.S., 1923. Chicago.

Wacker, Maxwell Nathan—B.S., 1931. Chicago.

Waldman, Irwin J.—Obstetrics. B.S., 1931. Chicago.

Welty, Jack Worthington — Pharmacology. B.S., 1931. Chicago.

Werbel, Ernest William—Biophysics. B.S., 1931. Chicago.

Werch, Solomon Carl—Physiological Chemistry. Chicago.

Wilkinson, Lynn Carter—Orthodontia. D.D.S., 1930. Chicago.

Winsberg, James Alfred—Physiological Chemistry. B.S., 1931. Chicago.

Woodward, Helen—Physiological Chemistry. B.S., Washington University, 1926, M.S., Iowa State College, 1929. Chicago.

Zimring, Allen J.—Pharmacology. B.S., 1931. Chicago.

DEGREES CONFERRED

DEGREE OF MASTER OF ARTS

IN PSYCHOLOGY

Ralph R. Brown, A.B., Ohio University, 1931. (February 6, 1932)
Margie Elizabeth Francis, A.B., 1930. (February 6, 1932)
Helen Elizabeth Sanderson, A.B., Smith College, 1930. (February 6, 1932)
Zelda Harriet Shapiro, Ph.B., University of Chicago, 1930. (February 6, 1932)

DEGREE OF MASTER OF SCIENCE

CONFERRED JUNE 10, 1932

Except where otherwise noted

IN ANATOMY

George Nelson Ronstrom, B.S., 1931.

IN BACTERIOLOGY

Catherine Virginia Fisher, A.B., University of Wisconsin, 1929. (September 29, 1931)
Herbert Eli McDaniels, B.S., University of Chicago, 1925.
George Shropshear, B.S., 1929. (September 29, 1931)
Michael Hershel Shuger, B.S., 1931.

IN DENTAL THERAPEUTICS

Maynard K. Hine, D.D.S., 1930.

IN ORTHODONTIA

John James Holub, D.D.S., 1930
Lynn Carter Wilkinson, D.D.S., 1930

IN PATHOLOGY

Edward Charles Bernell, B.S., 1930.
Rudolph Hecht, B.S., 1930.
Benjamin Highman, B.S., 1930.
Paul Hurwitz, B.S., 1930. (February 6, 1932)
Ben Zion Rappaport, B.S., 1920, M.D., 1923.
Karl William Schlegel, B.S., 1929. (September 29, 1931)
Arthur H. Schwartz, B.S., 1930.

IN PHARMACOLOGY

William Clay Dine, Jr., B.S., 1930. (October 30, 1931)
John Oscar Firth, B.S., Monmouth College, 1921.
Virgil Arnett Gant, B.S., 1921. (February 6, 1932)
Max Boyd McQueen, B.S., 1930.
Lawrence Templeton, B.S., Oregon State Agricultural College, 1927

IN PHYSIOLOGICAL CHEMISTRY

S. K. Eugenia Lieboner, A.B., Rockford College, 1928.
Margaret Eugenie Milliken, A.B., Colorado College, 1926.
Esther Florence Teeters, A.B., 1925. (October 30, 1931)

IN PHYSIOLOGY

Lucius Matlock Dillman, B.S., 1931.
Edgar Abney Thacker, A.B., 1927, B.S., 1930.

IN SURGERY

Harold Irving Meyer, A.B., B.S., 1919, 1920, M.D., Rush Medical College, 1923. (February 6, 1932)

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Electives	34 semester hours
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In October, 1933, the distribution of college credits will be changed, although the number of hours will not be increased.

For further information address
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For bulletin with detailed information address
The Dean, College of Pharmacy, University of Illinois
715 South Wood Street, Chicago, Illinois

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The College of Commerce and Business Administration (Curricula: General Business, Banking and Finance, Insurance, Accountancy, Transportation, Industrial Administration, Foreign Commerce, Commercial Teaching, Trade and Civic Secretarial Service, Public Utilities, Commerce and Law)

The College of Engineering (Curricula: Ceramics; Ceramic, Civil, Electrical, Gas, General, Mechanical, Mining, and Railway Engineering; Engineering Physics)

The College of Agriculture (Curricula: General Agriculture; Floriculture; Home Economics; Smith-Hughes—in conjunction with the College of Education)

The College of Education (Curricula: Two year, prescribing junior standing for admission — General Education, Smith-Hughes Agriculture, Smith-Hughes Home Economics, Public School Music; Four year, admitting from the high school—Industrial Education, Athletic Coaching, Physical Education. The University High School is the practice school of the College of Education)

The College of Law (three-year curriculum based on a college degree, or three years of college work at the University of Illinois)

The College of Fine and Applied Arts (Curricula: Music, Architecture, Architectural Engineering, Landscape Architecture, and Painting)

The Library School (two-year curriculum for college graduates)

The School of Journalism (two-year curriculum based on two years of college work)

The College of Medicine (in Chicago)

The College of Dentistry (in Chicago)

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The Summer Session (eight weeks)

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Vol. XIX May, 1933 No. 1

(Entered as second-class matter October 16, 1914, at the post office at Chicago, Illinois, under the Act of Congress of August 24, 1912.)

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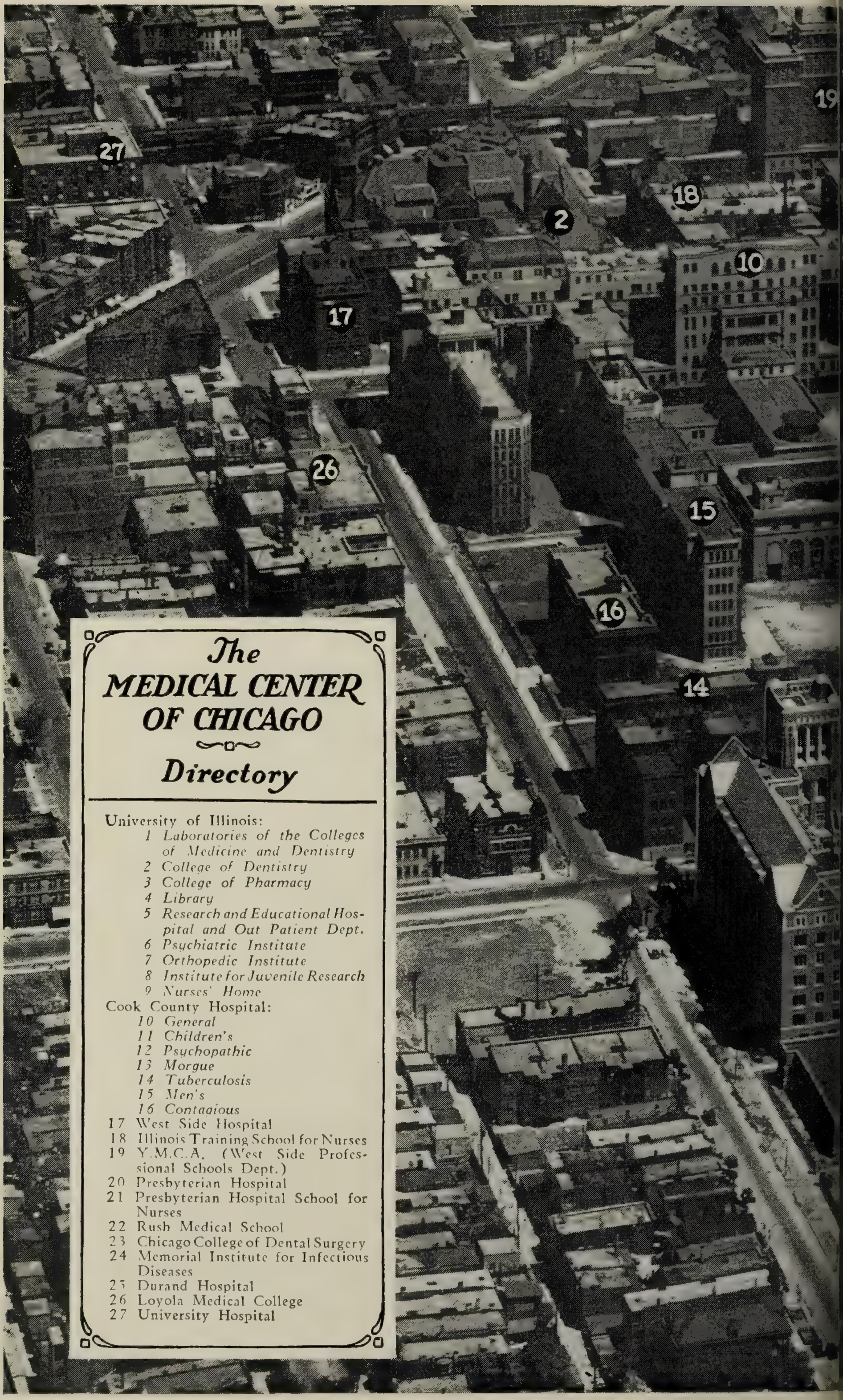

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- *16 Contagious*

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18 Illinois Training School for Nurses
19 Y.M.C.A. (West Side Professional Schools Dept.)
20 Presbyterian Hospital
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22 Rush Medical School
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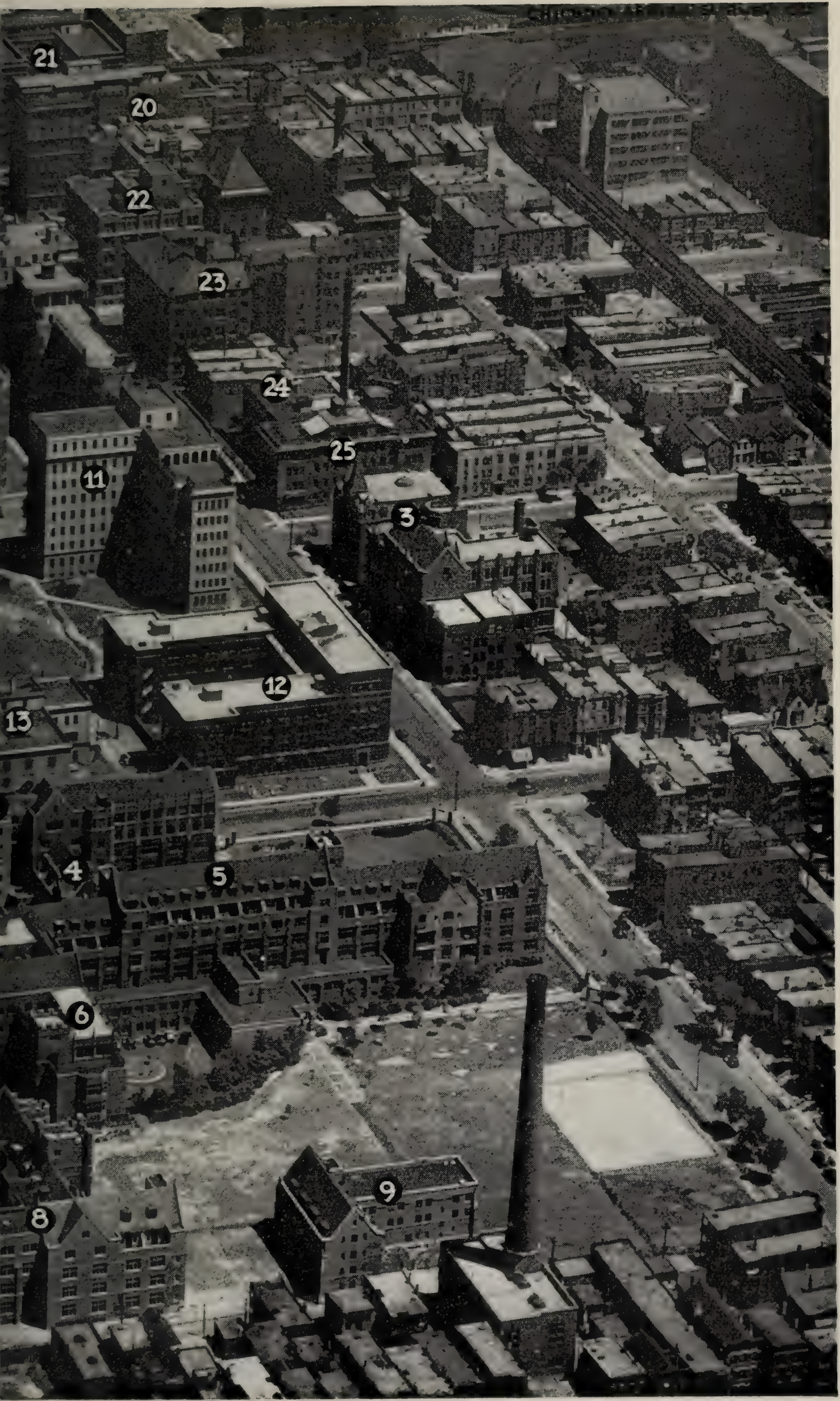
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COLLEGE CALENDAR

1933-1934

FIRST SEMESTER

September 25-30, Monday-Saturday
Special examinations

October 2, Monday, 8 a.m.-5 p.m.
Registration and payment of fees

October 3, Tuesday, 8 a.m.
Instruction begun

November 29, Wednesday, 12 m.
Thanksgiving recess begun

December 4, Monday, 8 a.m.
Instruction resumed

December 23, Saturday, 12 m.
Holiday recess begun

January 4, Thursday, 8 a.m.
Instruction resumed

January 29-February 3, Monday-Saturday
Semester examinations

SECOND SEMESTER

February 5, Monday, 8 a.m.-5 p.m.
Registration and payment of fees

February 6, Tuesday, 8 a.m.
Instruction begun

March 29, Thursday, 6 p.m.
Easter recess begun

April 2, Monday, 8 a.m.
Instruction resumed

May 21-June 2, Monday-Saturday
Final examinations: Second and Fourth Years, May 21-26, inclusive; First and Third Years, May 28-June 2, inclusive

May 30, Wednesday
Memorial Day

June 7, Thursday
Class Day
Alumni Meeting

June 8, Friday, 10:30 a.m.
Commencement Exercises

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(Term 1931-1937)

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Mr. Walter W. Williams	*Benton*

(Term 1933-1939)

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Mr. O. M. Karraker	*Harrisburg*
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Health Committee of the Chicago Professional Schools

Dalitsch (*Chairman*), Clark, Ladd

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Committee on Dispensary

Moore (*Chairman*), Hartung, Senear

Committee on Hospital Affiliation

Singer (*Chairman*), Humiston, McGuigan

Committee on Library

Kampmeier (*Chairman*), Birch, Blayney, Fantus, Petersen, Schroeder, Sippy, Visscher

Committee on Fifth Year

Pilot (*Chairman*), Blatt, Keeton, Moon

Committee on Alumni Relations

Phifer (*Chairman*), W. H. Browne, Jr., Irish, Welker

Committee on Extra-Curricular Programs

Davis (*Chairman*), Loomis, McGuigan, Moon, Oldberg, Welker, Williamson[1]

---

[1] Deceased February 15, 1933.

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HENRY PARKER NEWMAN, A.M., M.D. . . . . *Professor of Gynecology, Emeritus*
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WILLIAM ALLEN PUSEY, A.M., M.D. . . . . *Professor of Dermatology, Emeritus*
CASEY A. WOOD, A.M., M.D. . . . . *Professor of Ophthalmology, Emeritus*
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CHARLES DAVISON, A.M., M.D. . . . . *Professor of Surgery, Emeritus*
FREDERICK TICE, M.D. . . . . *Professor of Medicine, Emeritus*
CHARLES SUMNER BACON, Ph.B., M.D., D.Sc. . . *Professor of Obstetrics, Emeritus*
EDWARD LOUIS HEINTZ,[1] Ph.G., M.D., LL.D., *Associate Professor of Medicine, Emeritus*
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LEE HARRISON METTLER, A.M., M.D. . . . . *Professor of Neurology, Emeritus*
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LOUIS SCHULTZ, D.D.S., M.D., *Professor of Oral Surgery and Pathology, Emeritus*
NORVAL HARVEY PIERCE, M.D., *Professor of Laryngology, Rhinology, and Otology, Emeritus*
JOSEPH CLAR BECK, M.D., *Associate Professor of Laryngology, Rhinology, and Otology, Emeritus*

PROFESSORS

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---

*Names and ranks are given on basis of 1932-33 appointments.
[1] Deceased December 7, 1932.
[2] Deceased February 15, 1933.

ADOLPH HARTUNG, M.D., *Professor of Radiology*
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RICHARD MILTON DAVISON, B.S., M.S., M.D., *Assistant in Surgery*
HUGH ARTHUR MCKINLEY, A.B., M.D., *Assistant in Pediatrics*
JACK D. KIRSHBAUM, M.D., *Assistant in Medicine*
EDWARD KUCHLEWSKI, B.S., M.D., *Assistant in Pathology and Bacteriology*
FREDERICK WILLIAM SCHACHT, B.S., M.S., M.D., *Assistant in Urology*
ELMER EMANUEL SWANSON, A.B., B.S., M.D., *Assistant in Anatomy*
JOHN COURIER GARLAND, B.S., M.D., *Assistant in Surgery*
MRS. JANET THAYER CONWAY, B.S., M.S., M.D., *Assistant in Obstetrics and Gynecology*
SAMUEL HENRY ROSENBLUM, B.S., M.D., *Assistant in Medicine*
JOHN MICHAEL BENEDETTO, B.S., M.D., *Assistant in Medicine*
ROY ROSS RISK, B.S., M.D., *Assistant in Obstetrics and Gynecology*
ALBERT ALAN BEST, M.D., *Assistant in Surgery*
PHILIP MONTGOMERY LAW, M.D., *Assistant in Medicine*
ALBERT JACQUES ST. GERMAIN, B.S., M.D., *Assistant in Anatomy*
IRENE CASE SHERMAN, Ph.D., M.D., *Assistant in Neuropsychiatry*
ROBERT MOORE JONES, A.B., M.D., *Assistant in Medicine*
NOAH DANIEL FABRICANT, B.S., M.D., *Assistant in Otolarnygology*
WALTER HILMAR BAER, B.S., M.D., *Assistant in Neuropsychiatry*
RUDLA RIND, B.S., M.D., *Assistant in Medicine*
ROY OTIS RISER, B.S., M.D., *Assistant in Ophthalmology*
IRVING DREYER, B.S., M.S., M.D., *Assistant in Medicine*
MARIE K. BEPKO, *Assistant in Anatomy*
REINO HENRY PUUMALA, *Assistant in Anatomy*
EVERETT ARTHUR GRIMMER, D.D.S., *Assistant in Orthopedics and in Dental Surgery*
HENRY PICKETT DORMAN, B.S., M.S., M.D., Ph.D., *Assistant in Medicine*
MORRIS AARON KAPLAN, B.S., M.S., M.D., *Assistant in Medicine*

GENERAL STATEMENT

The College of Medicine of the University of Illinois opened its doors on October 14, 1881, as a proprietary medical school known as "The College of Physicians and Surgeons of Chicago." The building first occupied is still standing at the corner of Harrison and Honore streets, and at the present time it is used by the College of Dentistry of the University. The College of Physicians and Surgeons first became affiliated with the University of Illinois in 1897, and in 1900 the name was officially changed to "The College of Medicine of the University of Illinois." On March 6, 1913, all of the property and the entire issue of stock of the old institution were transferred to the University of Illinois, and the College of Medicine became an organic part of the University.

The College of Medicine and Dentistry buildings occupy a campus approximately eight acres in extent, adjacent to the Cook County Hospital. The University now has in operation the large Medical and Dental Laboratory buildings facing on Polk and Lincoln streets.

The Department of Public Welfare of the State of Illinois has constructed adjoining to and connecting with the College an extensive group of Hospitals and Laboratories, and the University is thereby in position to offer its faculty adequate facilities for teaching and investigation. The units now in operation include, in addition to the College, the following: General Hospital, Outpatient Dispensary, Orthopedic Institute, Psychiatric Institute, Institute for Juvenile Research, and Medical and Dental Library. The College buildings and the hospitals and institutes of the Department of Public Welfare are all located on the area bounded by Polk, Wood, Taylor and Lincoln streets.

CLINICAL FACILITIES

The Research and Educational Hospital.—At the present time some 350 beds are occupied and the total of 400, contemplated, will soon be available. The hospital connects directly with the College class rooms and laboratories and it has been designed for teaching and investigation.

The out-patient dispensary occupies the main floor of the hospital building. It possesses adequate and comfortable waiting rooms, suitable suites for all divisions of clinical work, a large amphitheatre, electrocardiographic and hydrotherapeutic units, and drug dispensary and preparation rooms. The dispensary is divided into twelve departments: medicine, surgery, genito-urinary surgery, obstetrics, gynecology, pediatrics, orthopedics, otolaryngology, dermatology, ophthalmology, neurology and radiology. At present the number of treatments is limited to about 100,000 per year.

Active teaching is also being conducted at the present time in the following hospitals: Cook County Hospital, the Illinois Eye and Ear Infirmary, the Municipal Contagious Hospital, Augustana Hospital, and St. Luke's Hospital.

GENERAL PLAN OF INSTRUCTION

The course of instruction leading to the degree of Doctor of Medicine covers a period of five years, four in the College of Medicine and the fifth in interne service in an approved hospital, or a year of research work acceptable to the University.[1]

During the first two years the work is confined mainly to the fundamental sciences, and the time of the student is largely devoted to laboratory work. During the first year this consists of work in anatomy, histology, embryology, neurology, chemistry, and physiology. During the second year the study of physiology is continued, and in addition the student takes up bacteriology, pathology, laboratory diagnosis, pharmacology, physical diagnosis, medicine, surgery, obstetrics, and hygiene.

During the third and fourth years the time is devoted to the various clinical branches, emphasis being given to practical instruction in dispensary and hospital clinics. In the dispensary the student examines the cases personally under the guidance of instructors. He is required to make laboratory examinations pertaining to his own cases. Such examinations as the Wassermann reaction are made by the instructors in the laboratory, but the student has opportunity to follow these and to learn the technique involved.

Examinations are held at the close of each semester. Those at the end of the second and fourth years may be of a comprehensive nature and may be either written or oral.

In the fourth year clinical clerkships are established to be operated at one time for one-fourth of the class and for a period of two months. This one-fourth of the class is further divided into four sections, one section being assigned to Medicine, one to Surgery, one to Obstetrics, and one to service in outside hospitals. The students on service in outside hospitals are excused from attendance on all lectures and clinics but are held responsible for the subject matter of the courses from which they have been excused.

In the third year the student must elect two hours per week in each semester. In the fourth year five and one-half hours per week of elective work must be taken from the elective subjects, and at least one hour of these electives must be selected from the subjects in surgery. This elective work of the third and fourth years may be either in pre-clinical or clinical subjects. A student may in this way emphasize his training in some particular subject or subjects. The elective work may be counted for graduate credit provided the student registers in a course recognized for graduate credit by the graduate faculty and can satisfy the head of the department concerned as to his ability to pursue the work he proposes to undertake.

The fifth year consists of twelve months of interne service in a hospital approved by the University. During the fourth year the students apply to the hospitals in which they wish to interne and, if successful, sign contracts for the service desired. The list of fifth-year students with the hospitals in which they are serving is given on page 51. Research work may be substituted for the hospital work of the fifth year.

Students are prohibited from doing work that interferes in any way with the fulfillment of the requirements of the curriculum. Unofficial clinical work may not be substituted for the official requirements of the curriculum.

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[1] See Medical Practice Act of the State of Illinois. Senate Bill No. 439, Approved June 30, 1923, Section 5 (b).

REQUIREMENTS FOR GRADUATION

To receive the degree of Bachelor of Science in Medicine a student must have completed in full the courses of the first two years with grades of 75% or better in at least three-fourths of the work.

To receive the degree of Doctor of Medicine a student must have spent four years in attendance, of which at least the last one must have been in residence at the University of Illinois, completed the prescribed curriculum, and in addition have either satisfactorily finished a hospital course of not less than twelve months' duration in a hospital approved by the University of Illinois, or completed a year of research work acceptable to the University. He must also have shown evidence of good moral character and have paid all indebtedness to the College.

Graduation with Honors.—A student who complies with the requirements for graduation and who attains in all work presented for the degree, the average grade specified below, may be recommended by the University Senate for the honors stated: For an average grade of not less than 4.35, Graduation with Honors; for an average grade of not less than 4.75, Graduation with High Honors. The honors conferred shall be noted upon the diploma and commencement program.

Significance of Grades.—The percentage system of grading is used, and 70% is the lowest passing grade. Where necessary to translate percentages to literal grades, or vice versa, the following values are used: 5 or A, 92 to 100%; 4 or B, 85 to 91%; 3 or C, 75 to 84%; 2 or D, 70 to 74%.

ENTRANCE REQUIREMENTS

The number of first-year students is restricted by space limitations. Applicants' names are placed on the waiting list in the order in which the applications are approved.

Applications for admission must be made to the Examiner of the College of Medicine in Chicago. Credentials covering all college and high school work must be sent directly from each institution attended to the Examiner. No student who is on scholastic probation at, or who has been dropped from, the last institution attended prior to seeking admission will be considered.

For admission to the College of Medicine, candidates must present:[1]

1. Four years of accredited high school work or the equivalent, comprising not less than 15 units in acceptable subjects prescribed as follows:

English	3 units[2]
Algebra	1 unit
Plane geometry	1 unit
Latin, Greek, German, or French (both units in the same language)	2 units
History and civics	1 unit
Electives (Trigonometry is advised)	7 units
Total	15 units

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[1] These are the minimum requirements for admission to the College of Medicine. For a broader foundation attention is called to the work indicated on page 21 under "Courses Offered at Urbana."

[2] By a *unit* is meant a year's work in a single subject, it being understood that the school year shall not be less than 36 weeks in length, that classes shall recite 5 times a week, that the recitation period shall be not less than 40 minutes long, that in science subjects there shall be double periods twice a week and that double time shall be given in subjects like drawing, manual training, and bookkeeping, in which little or no outside study is required. Since high school students ordinarily take four subjects at a time throughout the four years of the high school course, 15 units represent approximately four years of high school work.

2. Two years of work in a recognized college or university, comprising not less than 60 semester hours, exclusive of military, hygiene, and physical education. Each applicant, whether from the University of Illinois, or from other institutions of recognized standing, must have attained in all college courses a scholastic average of not less than 3.5, or its equivalent as determined by the University of Illinois for institutions using a different grading system (see note 1). In determining the scholastic average, grades received in military science, physical education, and hygiene will not be considered. The work must include prescribed and elective subjects as follows:

Chemistry (including organic chemistry, 4 semester hours)	12 semester hours[1]
Physics (at least 4 hours of laboratory work)	8 semester hours
Zoology (at least 4 hours of laboratory work, see note 2)	8 semester hours
English	6 semester hours
German, French (see note 3)	6 semester hours
Electives outside of the chemical, physical, and biological sciences (see note 4)	6 semester hours
Free electives (see note 4)	14 semester hours
Total	60 semester hours

Note 1.—The interpretation of this rule is carried out by translation of the literal grade into figures as follows: A = 5; B = 4; C = 3; D = 2; E = 1. The individual grades are multiplied by the respective number of semester hours which each represents and the total of these figures is divided by the number of hours presented less work in military, physical education, and hygiene.

Note 2: Zoology.—Four of these 8 semester hours must consist of laboratory work. This requirement must include a course in general zoology and one in vertebrate zoology. Botany is no longer accepted as meeting any part of the prescribed portion of the requirement.

Note 3: German, French.—The required 6 hours must be in the same language. The student is urged to secure a reading knowledge of one of these languages. This will ordinarily require at least one year of work in the same language in college, after 2 years in high school, or two full years' work (in a class reciting at least 3 periods per week) in college if the language was not begun in high school.

Note 4: Electives.—(a) Psychology and trigonometry, the latter if not taken in high school, are urged. The following additional subjects are suggested: college algebra, additional English, economics, history, sociology, political science; logic, Latin, Greek; drawing. (b) Among the free electives, quantitative chemistry, physical chemistry, botany and extra zoology are recommended.

No Conditions Permitted.—The full requirements as listed above must be presented before admission. No conditions are permitted.

Preference to Illinois Residents.—In considering applications for admission preference and priority will be given candidates who are residents of Illinois.

Students Registered in the Medical Curriculum.—The seven-year medical curriculum offered by the University consists of two years of pre-medical work at Urbana, including the subject requirements stated above, two years of preclinical work in the College of Medicine in Chicago (for these four years a

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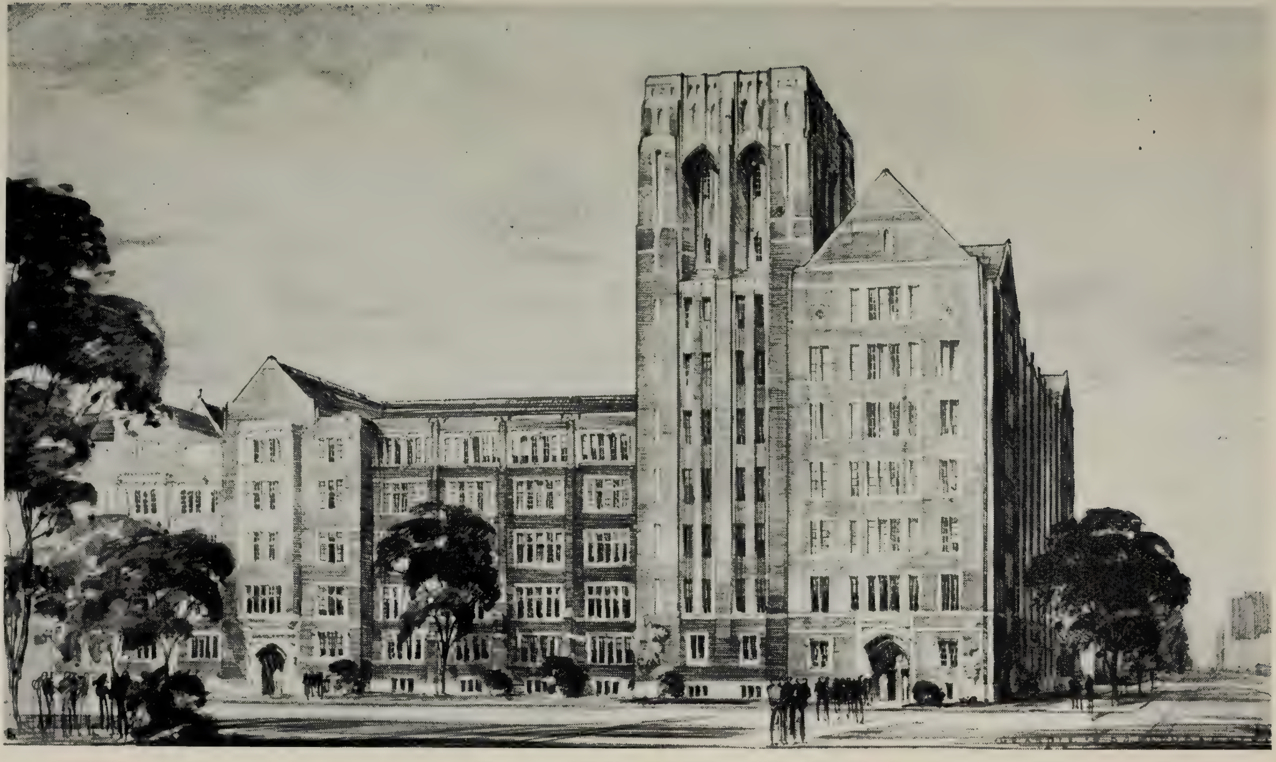
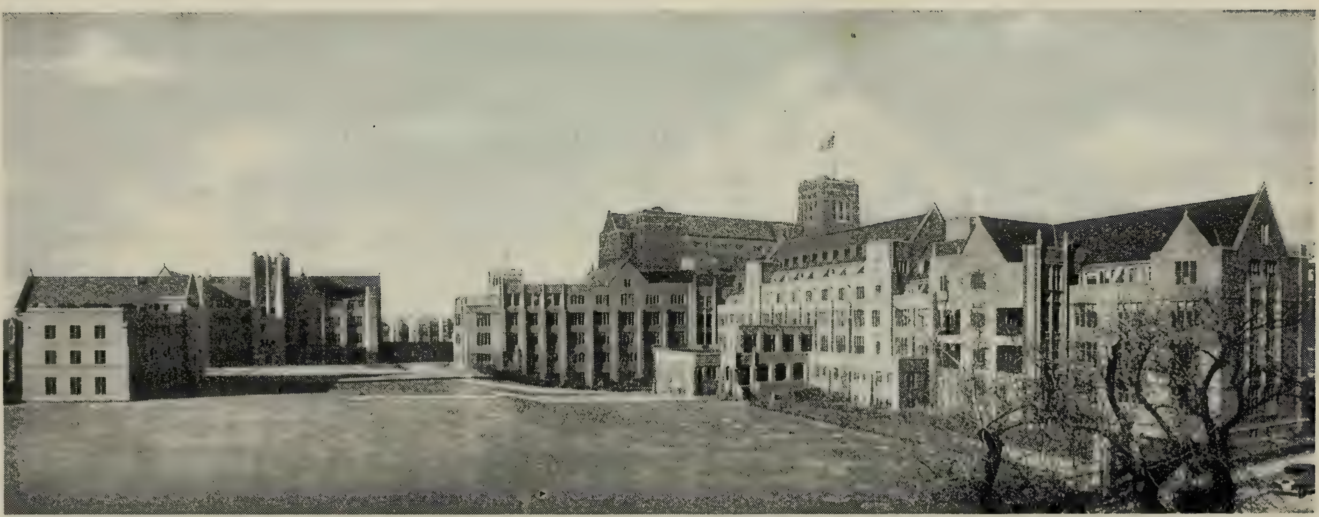
[1] By a *semester hour* is meant the work of a class meeting one hour once a week for a semester of 18 weeks. Sixty semester hours represent ordinarily two years of college work.



The Main Laboratory Building of the Colleges of Medicine and Dentistry



The Campus Viewed from the Southeast, With the Research and Educational Hospital in the Foreground

B.S. degree may be given), two years of clinical work in the College of Medicine at Chicago, and one year as an interne in a hospital approved by the University. The registration of students at Urbana who have completed there the requirements of the first two years of the medical curriculum (the pre-medical work) is continued in the College of Medicine. Students admitted to the second year of the pre-medical curriculum at Urbana, having taken their first year elsewhere, will not be permitted to continue their registration in the College of Medicine ahead of candidates from other institutions who have been on the waiting list of the College of Medicine for one year or more. Registration of students is continued in the College of Medicine subject to the following conditions:

1. The student who wishes thus to continue his work in the University must signify his intention to the Registrar, on a form provided by the Registrar, not later than March 1 of the year in which he purposes to continue his work in the Chicago department.

2. The student must comply with the general regulations for registration in the University in the medical course. These include having an average in all college courses of 3.5 and the payment of fees in advance.

3. No student who is on probation at the University (or who has been dropped for poor scholarship) at the time he seeks to continue his University registration in the College of Medicine, has any claim to precedence in registration over students who come with clear records from the University of Illinois or other institutions.

COURSES OFFERED AT URBANA

While the minimum requirements for admission prescribe two years of liberal arts and science work, it is to the advantage of the student to present more than this amount of pre-medical work. Attention is called to the fact that the University at Urbana offers the following choice of courses:

1. A nine-year course—four years in the College of Liberal Arts and Sciences at Urbana, leading to the degree of Bachelor of Arts, followed by five years in the College of Medicine in Chicago, leading to the degree of Doctor of Medicine. This course of study is recommended to young men who can afford the time for it, and who are of the average age at graduation from the public high schools.

2. An eight-year course—three years in the College of Liberal Arts and Sciences at Urbana, followed by five years in the College of Medicine in Chicago. Students taking this course are permitted, at the end of their first year in the College of Medicine, to transfer credits in the medical sciences to complete the requirements for graduation of the College of Liberal Arts and Sciences and receive the degree of Bachelor of Arts. On the completion of five years in the College of Medicine they receive the degree of Doctor of Medicine.

ADVANCED STANDING

Because of the limitations of space, the membership of each class is strictly limited. Applications for admission with advanced standing to any class will not be considered until vacancies are certain to occur. In case there are vacancies to be filled preference will be given to those applicants who are residents of Illinois and who present the strongest records.

In general the administration cannot determine definitely whether there will be vacancies, or the number of vacancies until the day of registration.

No student who is on probation at or who has been dropped for any reason from a college of medicine will be considered for admission.

FEES AND EXPENSES,[1] STUDENT AID, ETC.

All fees other than the tuition fee are payable in full at the time they are assessed. The tuition fee for each year is payable in two equal installments on registration day at the beginning of each semester. A student is not registered until his fees are paid.

Matriculation Fee. Each student not holding a scholarship, on satisfying the requirements for admission to the University, pays the matriculation fee of	$ 10
This fee is assessed only once for any student in the University of Illinois.	
Tuition and Laboratory Fee. Students in the College of Medicine, residents of Illinois, pay each year a tuition and laboratory fee of	$200
A student holding a scholarship pays the laboratory fee only. Laboratory fees are assessed only for the specific laboratory courses taken. Students in the College of Medicine, not residents of Illinois, pay each year a tuition and laboratory fee of.	$300
Late Registration Fee. Students who enter after registration day are charged a late registration fee of	$ 5
Special Examination Fee. For any special examination a fee is charged amounting to	$ 5
Diploma Fee. Each student pays for each diploma received from the University a fee of	$ 10
Listener's Fee. Listeners and visitors pay the following fees:	
For each 25 clock hours or a fraction thereof, residents of Illinois	$ 10
Persons not residents of Illinois	$ 20
Maternity Service Fee (Fourth-year students)	$ 15

Special fees are charged for the various postgraduate courses. These fees are listed with the description of each course concerned.

Students permitted to take more or less than the regular schedule, to the extent of a difference of more than 64 clock hours, will be charged proportionately more or less tuition fees.

Copy of original transcript of record, $1.00; for each carbon copy of same, fifty cents. Each student is entitled to one transcript of record without a fee, but he must pay for extras in the way of carbon copies supplied with the original transcript or for the second request for the original.

Note.—County Hospital Ticket, $5.00. (3rd and 4th yr. students.)

No members of the instructional staff are allowed to accept special fees.

In case a student withdraws from the school within ten days after the beginning of the instruction the total amount of his fees except the matriculation fee will be refunded. After ten days and before the expiration of the month a refund of three-fourths of the tuition and laboratory fees will be made. After one month and before the expiration of two months a refund of one-half of these fees will be made. After two months and before the expiration of three months a refund of one-fourth of the fees will be made. After the expiration of three months no part of the fees will be refunded.

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[1] The Trustees reserve the right to change the fees at any time through publication in the annual announcement.

Alumni are admitted to all regular undergraduate courses, without charges, except in laboratory work, in which a charge is made for material actually used.

Each student is required to provide himself with a compound microscope and a haemocytometer equipped to meet the requirements of the work of the curriculum.

The expenses of living in Chicago are less than in most large cities. From forty to fifty dollars per month may be regarded as adequate for the ordinary living expenses of a student exclusive of books, clothing, railroad fare and miscellaneous needs.

The expense for books varies between $25.00 and $50.00 a year. The instructors at the beginning of each course direct their students in regard to the purchase of textbooks.

A ten-story Y.M.C.A. building located three blocks from the College affords a comfortable home for students.

Physical Examinations.—Students contemplating a medical course should check up on their own health and physical condition. The medical program is exacting and strenuous, and loss of time is costly. A complete physical examination by the family physician is urged. The eyes and teeth should be in the best of condition. Tonsils should be removed if the physician deems this advisable.

A competent health service with medical and hospital facilities is provided for students. Physical examinations during the first year are compulsory, and every effort is made to assist the students in their own health problems.

A number of loan funds have been established for the benefit of worthy students who are in need of financial aid in order to finish their courses in the University. For more detailed information apply to the Business Office of the College of Medicine.

SCHOLARSHIPS

Rea Scholarships.—Through the generosity of the late Professor R. L. Rea a fund has been provided for scholarships each year for worthy students. These scholarships are awarded annually by the officers of the Faculty.

For the session of 1932-33, they were granted to the following students:

Leland K. Farlander
Jacob Gottlieb
Stephen P. Johnson
Joseph M. Walker

The following undergraduate scholarships relieve the holder of the payment of the matriculation and tuition fees:

General Assembly Scholarships.—One nomination annually by each member of the General Assembly. Under the law, nominations must be received by the President of the University not later than the first Monday in July of the year in which the scholarship is to become effective.

State Military Scholarships.—For World War Veterans. Special provisions passed by the General Assembly in 1919.

(For circulars giving more detailed information concerning scholarships, apply to the Registrar of the University, Urbana.)

LECTURESHIPS

In commemoration of members of the Alumni, Faculty and Student Body who lost their lives during the World War, the Alumni, Faculty and Students have raised a fund sufficient to establish a Memorial Lectureship. One lecture is delivered annually by a prominent educator on a subject of general medical interest.

In accordance with the will of Mrs. Albertina Gehrmann, widow of the late Adolph Gehrmann, for many years Professor of Bacteriology and Hygiene in the College of Medicine, the sum of $10,000 was given for the establishment and support of a Lectureship in the College of Medicine of the University of Illinois, in memory of Dr. Gehrmann. The eighth of this series of lectures was delivered by Dr. William Allen Pusey, Professor of Dermatology, Emeritus, of the University of Illinois, in March, 1933, his general subject being, "The History and Epidemiology of Syphilis."

In 1927 Dr. Charles S. Bacon on reaching the retiring age was made Professor Emeritus of Obstetrics. On this occasion the Members of the Faculty and friends of Dr. Bacon contributed the sum of $5,000 to found the Charles S. Bacon Lectureship in Obstetrics. The income from this amount is used to defray the expenses of a lecture given each year at the University of Illinois College of Medicine. The fourth of this series of lectures was given in December, 1932, by Dr. Frank R. Lillie, of the University of Chicago, on the general subject of "Problems in the Biology of Sex."

The Chicago Tuberculosis Institute has granted the College $2500 a year for a period of five years to establish a Theodore B. Sachs Residency in the field of tuberculosis and allied diseases. During the 1931-32 session this was occupied by Dr. Allen K. Krause, Director of the Desert Sanitarium, Tuscon, Arizona.

Medico-historical lectures are delivered, on alternate Wednesdays during the school year, by members of the faculty of the College of Medicine and related departments of the University and by Chicago physicians and distinguished visitors interested in medical history.

PRIZES

Dr. Frank Smithies of Chicago has endowed an annual prize of $100 in memory of William Beaumont, the famous surgeon of the nineteenth century who made valuable contributions to the knowledge of the digestive system. The prize is awarded to the student or faculty member of the College of Medicine who submits the best original work in the study of diseases of the alimentary tract; it is administered by a committee appointed by the Dean of the College of Medicine. The sixth award was made on June 10, 1932 to Charles Bernard Puestow, M.D.

The James Burkett Deuss memorial prize of $100 is given in alternate years for the best contribution in the field of allergy by any registered student or member of the faculty of the College of Medicine. The first award was granted in June, 1932, to Clarence A. Johnson, Ph.D., and Ben Z. Rappaport, M.D.

COURSES OFFERED IN MEDICINE

NOTE: The Arabic numerals preceding the captions indicate the numbers of the courses. Unless otherwise specifically stated, the Arabic numerals following the description of courses indicate the number of one-hour periods. The Roman numerals *I* and *II* indicate the number of the semester in which the course is given.

ANATOMY

Professor KAMPMEIER; Associate Professor REAGAN; Assistant Professors COOPER, ZIMMERMANN, VON BONIN, JORANSON, Dr. ZECHEL, Dr. WEBB, Dr. SIMER, Dr. FISCH, Dr. BOELIO, Dr. STEIN, Dr. WHITE, Dr. BURROWS, Dr. PILKA, Dr. WEINER, Dr. VACIN, Dr. UTERHART, Dr. FISHMAN, Dr. CROW, Dr. SEIFERT, Dr. SWANSON, Dr. ST. GERMAIN, Dr. MADDEN.

REQUIRED COURSE—FIRST YEAR

To insure greater correlation and unity in the presentation of the content of *Human Anatomy,* the following major divisions are merged into a single course. Hence, their subject matter extends in continuity throughout both semesters.

1. *Histology.*—Cytology, general histology and organology.

2. *Embryology.*—General embryology, organogeny and teratogeny.

3. *Systematic and Regional Anatomy.*—Complete dissection of the human body: superior extremity; thorax; abdomen; pelvis; inferior extremity; head and neck.

4. *Neurology.*—Gross and microscopic anatomy of the nervous system. Lectures and demonstrations: 6; laboratory: 12 hours.

Professor KAMPMEIER, Associate Professor REAGAN, Assistant Professors ZIMMERMANN, COOPER, VON BONIN, Dr. ZECHEL, Dr. WEBB, instructors and assistants.

REQUIRED COURSE—THIRD YEAR

6. *Topographical Anatomy.*—Topography and relations of the various regions, systems and organs of the body; correlation of subject matter with clinical conditions and procedure. *I.* (4.) Dr. ZECHEL and assistants

ELECTIVE COURSES

51. *Microscopical Technic.*—Preparation of objects; injecting bloodvessels and lymphatics; maceration, digestion and corrosion, decalcification; fixation of tissues, embedding, sectioning, staining, mounting, etc. 1 two-hour period. *I and II.* Limited. Dr. BOELIO

52. *Medical Illustrating.*—Drawing, including perspective values and their adaptation to the representation of medical subjects; media adapted for representing certain conditions and structures, and for special methods of reproduction. 2 two-hour periods. *I.* Limited to four. Assistant Professor JONES

53. *Fetal Anatomy.*—Dissection, with consideration of problems of development, and physiology. 2 two-hour periods. *I and II.* Limited.
Assistant Professor ZIMMERMANN

54. *Medical Statistics.*—Biometry, based on the principles of the calculus of probability, and its application to problems of morphology, medicine, and the statistics of population. *I and II.* (2.) Assistant Professor VON BONIN

55. *Preparations for Anatomical Museum.*—The creation of special dissections, reconstructions, models and demonstration specimens for the anatomical

teaching collection requiring skill, ingenuity, neatness and accuracy in execution. 2 two-hour periods. *I and II.* Limited to two or three qualified students.
Professor KAMPMEIER and other members of staff

56. *Physical Anthropology.*—Phylogeny of human races, anthropometry of living and skeletal material; anthropogeography, racial physiology and pathology; growth of populations and racial distributions of modern man; social anthropology, racial psychology and eugenics. *I.* (2.)
Assistant Professor VON BONIN

Seminar.—Critical reviews of recent anatomical literature, preparation of bibliographies and of scientific papers for publication. Presentation and discussion of the results of investigations.

Research.—Opportunity is given physicians and qualified students to do investigative work. A reading knowledge of French and German is essential.

For Physician's Courses see page 41.

COURSES FOR GRADUATES

101. *Morphology, Experimental Morphology and Functional Anatomy.*—*One or two units.*
Professor KAMPMEIER, Associate Professor REAGAN, Assistant Professor VON BONIN

102. *Individual Research.*—In Embryology, Cytology and Histology, Neurology, Anthropology and Biometrics, Experimental Morphology, Functional and Applied Anatomy. *One or two units.*
Professor KAMPMEIER, Associate Professor REAGAN, Assistant Professor VON BONIN

CRIMINOLOGY, SOCIAL HYGIENE, AND MEDICAL JURISPRUDENCE

Professors SCHROEDER, YARROS; Associate Professor BROWN; Assistant Professors BARRICK, SELLING; Dr. GEIGER, Dr. MCKEE, Dr. JENKINS, Dr. MURRAY, Dr. WORTHINGTON.

REQUIRED COURSE—THIRD YEAR

5. *Criminology and Behavior Problems.*—Principles of criminology and social hygiene as applied to medicine; venereal problems. *II.* (1.)
Professors SCHROEDER, YARROS

REQUIRED COURSES—FOURTH YEAR

6. *Medical Jurisprudence.*—(*Twelve weeks.*) *II.* (1.)

7. *Medical Sociology.*—(*Four weeks.*) *II.* (1.) Professor SCHROEDER

ELECTIVE COURSES—FOURTH YEAR

56. *Mental Hygiene.*—Mental hygiene in infancy and childhood. (*Eight weeks.*) *II.* (1.) Professor SCHROEDER

57. *Mental Hygiene.*—Mental hygiene of adolescence. Educational counsel and vocational guidance. (*Eight weeks.*) *II.* (1.) Dr. SELLING

58. *Clinical Administration of Behavior Problems.*—Probation treatment and parole. *I.* (1.) Assistant Professor BARRICK, Dr. MCKEE

59. *Criminal Identification.*—Application of physical structure and functions in identification of criminals. Professor SCHROEDER

60. *Hospital Organization and Management.*—(*Eight weeks.*) *I.* (1.)
Dr. WORTHINGTON

61. *Introduction to Public Welfare Administration.*—(*Eight weeks.*) *I.* (1.)

62. *Psychogenetic Study of Behavior Problems.*—An introduction to the significance of the life history of the individual in the genesis of behavior problems.

COURSES FOR GRADUATES

101. *Research in Juvenile Behavior.—One to three units.* Professor SCHROEDER

102. *Advanced Work in Juvenile Behavior.—One to three units.* Professor SCHROEDER

103. *Special Abilities and Disabilities.—One or two units.* Associate Professor BROWN

104. *Psychological Tests.—One or two units.* Associate Professor BROWN

105. *Psychology of Behavior Problems.—One or two units.* Associate Professor BROWN

DERMATOLOGY

Professor SENEAR; Assistant Professors WIEN, WEBER; Dr. CORNBLEET, Dr. KRASNOW, Dr. RATTNER, Dr. CARO, Dr. PERLSTEIN, Dr. PACE, Dr. SCHORR, Dr. SHELLOW.

REQUIRED COURSE—THIRD YEAR

1. *Practice.*—Lectures. Continuous through the year. (1.) Professor SENEAR, Assistant Professor WIEN

REQUIRED COURSES—FOURTH YEAR

2. *Clinic.*—Continuous through the year. (1.) Professor SENEAR, Assistant Professor WIEN

9. *Clinic.*—Dispensary, including instruction in roentgenology. 3 one-hour periods. (*Four weeks.*) *I and II.* (1.) Professors SENEAR, BACHEM, Assistant Professors WIEN, WEBER, Dr. CORNBLEET, Dr. RATTNER, Dr. PACE, Dr. CARO, Dr. PERLSTEIN.

ELECTIVE COURSES—FOURTH YEAR

50. *Syphilis.*—Diagnostic and therapeutic methods employed. *(Eight weeks.) I and II.* (1.) Professor SENEAR, Assistant Professor WIEN

51. *Dermatology.*—Special diagnostic and therapeutic methods. *(Eight weeks.) I and II.* (1.) Professor SENEAR, Assistant Professor WIEN

COURSE FOR GRADUATES

101. *Research in Dermatology.—One to three units.* Professor SENEAR

LARYNGOLOGY, RHINOLOGY, AND OTOLOGY

Associate Professors LEDERER, HOLINGER; Assistant Professors W. H. THEOBALD, J. J. THEOBALD; Dr. LIVINGSTON, Dr. BREDLAU, Dr. FOX, Dr. SHAPIRO, Dr. SPIESMAN, Dr. HALPER, Dr. KANE, Dr. COOMBS, Dr. HARNED, Dr. VAN ALYEA, Dr. GUTTMAN, Dr. MORWITZ, Dr. OSTROM, Dr. LAMBRAKIS, Dr. HARTLETT, Dr. KLAWANS, Dr. FISHMAN, Dr. BELLOWS, Dr. WADSWORTH, Dr FABRICANT.

REQUIRED COURSES—THIRD YEAR

3. *The Ear, Nose and Accessory Sinuses.*—Surgical anatomy, physiology, pathology and treatment. *I.* (1.) Associate Professor LEDERER

11. *The Mouth, Pharynx and Larynx.*—Surgical anatomy, applied pathology and treatment. *II.* (1.) Associate Professor LEDERER

12. *Conference.*—A general survey of the field through the medium of quiz groups. *I and II.* (1.) Associate Professor LEDERER and staff

13. *Clinic Dispensary.*—Research Hospital. 3 two-hour periods. *(Three weeks.) I and II.* Associate Professor LEDERER and staff

REQUIRED COURSES—FOURTH YEAR

14. *Clinical Otolaryngology.*—Research Hospital. Cases of interest are presented to illustrate the practical points in diagnosis. Pathology, indications for treatment and operation are discussed. 1 two-hour period. *(Eight weeks.) I.*
Associate Professor LEDERER; Assistant Professors W. H. THEOBALD, J. J. THEOBALD; Dr. S. SHAPIRO, Dr. VAN ALYEA.

ELECTIVE COURSES—FOURTH YEAR

50. *Advanced Anatomy and Physiology of Ear, Nose and Throat.*—16 hours.
Associate Professor LEDERER, Dr. FISHMAN

51. (a) *Speech Defects.*
(b) *Problems of Deafness.*—8 hours.
Associate Professor LEDERER, Assistant Professor J. J. THEOBALD

52. *Advanced Clinical Otolaryngology.*—16 hours. Research Hospital. Ward Walk. Diagnostic and therapeutic methods.
Associate Professor LEDERER, Dr. HALPER

53. *Research and Experimental Work in Otolaryngology.*—Special problems assigned to qualified students. Associate Professor LEDERER

For Physician's Courses see page 42.

COURSE FOR GRADUATES

101. *Research in Laryngology, Rhinology and Otology.—One to three units.*

MEDICINE

INTERNAL MEDICINE

Professors WILLIAMSON,[1] KEETON, LEWISON, STRAUSS; Associate Professors CHAUVET, MOORE, MEYER, PILOT, GOLDBERG, SINGER, FREILICH, PERLSTEIN; Assistant Professors WILSON, SAWYER, VANDERKLOOT, CIPRIANI, PROPST, GUNNAR, FOLEY, STREICHER, BIRCH, DEUSS, RABENS, LEVINSON, LUSK; Dr. GOLDWASSER, Dr. KRONENBERG, Dr. KLEMPTNER, Dr. DALITSCH, Dr. FELDMAN, Dr. RICHTER, Dr. FISCH, Dr. BOLOTIN, Dr. BOWMAN, Dr. KARTOON, Dr. NELSON, Dr. RAGINS, Dr. SOLOWAY, Dr. BECKER, Dr. MARSHALL, Dr. AMTMAN, Miss HOOD, Dr. GOLUB, Dr. GROSZ, Dr. GURVEY, Dr. AFREMOW, Dr. CRUDIM, Dr. DE TRANA, Dr. NAGEL, Dr. PEARLMAN, Dr. HICK, Dr. AARONSON, Miss DICKSON, Dr. BOIKAN, Dr. CARELLI, Dr. MORTIMER, Dr. SIMON, Dr. KIRSHBAUM, Dr. PELUSE, Dr. ROSENBLUM, Dr. BENEDETTO, Dr. LAW, Dr. JONES, Dr. MCMILLAN, Dr. WOLF, Dr. RIND, Dr. DREYER.

REQUIRED COURSES—SECOND YEAR

2. *Physical Diagnosis.*—Practical drill on normal subjects; small sections. (a) *II.* (1.) (b) 1 two-hour period. *I.*
Professor LEWISON, Associate Professors CHAUVET, FREILICH

3. *Practice.*—Lectures and conferences with special reference to Diseases of Metabolism. *I.* (1.) Professor KEETON

4. *Practice.*—Lectures and conferences. *II.* (2.)
Assistant Professor PROPST

REQUIRED COURSES—THIRD YEAR

5. *Practice.*—A general survey of the important diseases. A continuation of the second year course. Continuous through the year. (2.)
Assistant Professors SAWYER, CIPRIANI, VANDERKLOOT, DEUSS, PELUSE

6. *Clinic.*—Research Hospital. Selected topics. Continuous through the year. (1.) Professor WILLIAMSON[1]

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[1] Deceased February 15, 1933.

7. *Clinic.*—Research Hospital. Selected topics, with special reference to Diseases of Metabolism. 1 one-hour period. *I and II.* Professor KEETON

8. *Clinic.*—Research Hospital. Selected topics. 1 two-hour period. *(Eight weeks.) I and II.* Dr. DALITSCH

9. *Clinic.*—Cook County Hospital. Tuberculosis Wards. 1 two-hour period. (*Eight weeks.*) *I and II.* Associate Professor FREILICH

10. *Clinic.*—Cook County Hospital. Selected topics. 1 two-hour period. (*Eight weeks.*) *I and II.* Associate Professor MEYER

11. *Clinic.*—Cook County Hospital. Selected topics. 1 two-hour period. (*Eight weeks.*) *I and II.* Associate Professor PILOT

13. *Clinic.*—Research Hospital. Selected topics. 1 two-hour period. *(Eight weeks.) I and II.* Assistant Professor BIRCH

15. *Clinic.*—Research Hospital. 1 two-hour period. (*Eight weeks.*) *I and II.* Dr. HICK

23. *Physical Diagnosis Clinic.*—Cook County Hospital. Tuberculosis Wards. *I.* (1.)

Professor LEWISON; Associate Professor FREILICH; Assistant Professor LEVINSON.

27. *Clinic.*—Dispensary. Practical work on out-patients, with special stress on history taking. Most of the important diseases of an ambulatory nature common to the temperate zone may be seen here. 3 two-hour periods. *(Three weeks.) II.*

Professor KEETON; Associate Professors MOORE, SINGER, PERLSTEIN; Assistant Professors WILSON, GUNNAR, FOLEY, STREICHER, RABENS, LUSK; Dr. GOLDWASSER, Dr. KLEMPTNER, Dr. FELDMAN, Dr. DALITSCH, Dr. SOLOWAY, Dr. GROSZ, Dr. GOLUB, Dr. BECKER, Dr. GURVEY, Dr. KARTOON, Dr. NELSON, Dr. RAGINS, Dr. CRUDIM, Dr. DE TRANA, Dr. PEARLMAN, Miss DICKSON, Dr. BENEDETTO, Dr. BOIKAN, Dr. CARELLI, Dr. KIRSHBAUM, Dr. SIMON, Dr. WOLFE, Dr. McMILLAN.

ELECTIVE COURSES—THIRD YEAR

49. *Diseases of the Liver.*—*I.* (1.) Dr. DE TRANA

50. *Diseases of the Gastro-intestinal Tract.*—Lectures and demonstrations. *I.* (1.) Associate Professor MEYER

51. *Clinico-pathological Lectures and Demonstrations.*—(Limited to one-eighth the class.) (*Eight weeks.*) *II.* (1.) Associate Professor SINGER

52. *Diseases of the Heart.*—*I and II.* (1.) Professor STRAUSS

53. *Principles of Medicine.*—Review course. *II.* (2.) Dr. KRONENBERG

REQUIRED COURSES—FOURTH YEAR

12. *Seminar in the Classics of Medicine.*—A study of the epoch-making contributions. (Individual assignments.) *I and II.* (1.)

Professor WILLIAMSON,[1] Assistant Professors FOLEY, BIRCH, STREICHER, DEUSS.

14. *Clinic.*—Cook County Hospital. Selected topics. 1 two-hour period. (*Eight weeks.*) *I and II.* Assistant Professor LUSK

16. *Clinic.*—Research Hospital. Selected topics. Special stress is laid upon the newer methods of diagnosis as applied to clinical medicine. 1 one-hour period. *I and II.* Professor WILLIAMSON[1]

18. *Clinic.*—Research Hospital. Selected topics. 1 two-hour period. (*Eight weeks.*) *I and II.* Associate Professor MOORE

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[1] Deceased February 15, 1933.

21. *Clinic.*—Cook County Hospital. Selected topics, special reference to laboratory methods. *I and II.* (2.) Associate Professor SINGER

22. *Ward Clinic.*—Research Hospital. Selected topics, special reference to the liver and biliary apparatus. 1 two-hour period. (*Eight weeks.*) *I and II.* Assistant Professor FOLEY

24. *Ward Clinic.*—Research Hospital. Selected topics, with special reference to the gastro-intestinal tract. 1 two-hour period. (*Eight weeks.*) *I and II.* Assistant Professor STREICHER

25. *Ward Clinic.*—Cook County Hospital. Selected topics. 1 two-hour period. *I and II.* Assistant Professor FOLEY

26. *Clinic.*—Research Hospital. Selected topics. 1 two-hour period. *(Eight weeks.) I and II.* Associate Professor PERLSTEIN

39. *Clinic.*—Cook County Hospital. Selected topics, special reference to diseases of the circulatory apparatus. 1 two-hour period. *I and II.* Professor STRAUSS

40. *Clinic.*—Cook County Hospital. Diseases of the chest. 1 two-hour period. *I and II.* Assistant Professor RABENS

ELECTIVE COURSES—FOURTH YEAR

54. *Diseases of the Gastro-intestinal Tract.*—Lectures and demonstrations. *I.* (1.) Associate Professor MEYER

55. *Clinico-pathological Lectures and Demonstrations.*—(Limited to one-eighth the class.) *(Eight weeks.) II.* (1.) Associate Professor SINGER

59. *Clinical Parasitology.*—(Limited to eight students.) 1 two-hour period (*Eight weeks.*) *I.* Miss HOOD

60. *Principles of Medicine.*—Review course. *I.* (2.) Dr. KRONENBERG, Dr. AFREMOW

61. *Diseases of the Heart, Kidneys and Blood Vessels.*—Selected topics. *II.* (1.) Dr. FELDMAN

63. *Diseases of the Chest.—II.* (1.) Assistant Professor RABENS

64. *Tuberculosis.—II.* (1.) Associate Professor GOLDBERG

65. *Cardio-Vascular Diseases.—I.* (1.) Professor LEWISON

66. *Problems in Diagnosis.—II.* (1.) Assistant Professor GUNNAR

67. *Gastro-Intestinal Disfunction.—I.* (1.) Dr. McMILLAN

68. *Dietetics.*—(Limited to twelve students.) (*Eight weeks.*) *I and II.* (1.) Professor KEETON

69. *Allergy.*—(Limited to twelve students.) (*Eight weeks.*) *I and II.* (1.) Dr. NELSON

70. *Cardio-Vascular Disease.*—Cook County Hospital. *I and II.* (1.) Dr. BOIKAN

COURSE FOR GRADUATES

101. *Research in Medicine.—One to three units.* Professors WILLIAMSON,[1] KEETON; Assistant Professor BIRCH

ROENTGENOLOGY

Professor HARTUNG, Dr. WACHOWSKI

REQUIRED COURSE—FOURTH YEAR

4. *Roentgenology.*—Application of Roentgen rays to medicine and surgery. *I.* (2.) Professor HARTUNG

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[1] Deceased February 15, 1933.

5. *Clinic Dispensary.*—Technic, interpretation and therapy. 6 one-hour periods. (*Two weeks.*) *I and II.* Professors Hartung, Bachem

For Physician's Courses see page 41.

Elective Course—Fourth Year

50. *Roentgen Interpretation.*—II. (1.) Professor Hartung

HISTORY OF MEDICINE

Dr. Bohrod

Elective Course—Fourth Year

51. *History of Medicine.—I and II.* (1.) Dr. Bohrod

NEUROPSYCHIATRY

Professors Singer, Hassin, Davis; Assistant Professors Diamond, Olkon, Low; Dr. Solomon, Dr. Paskind, Dr. Lebensart, Dr. Sherman, Dr. Baer.

Required Courses—Third Year

1. *Neurology.*—Didactic. *II.* (1.) Assistant Professor Olkon

6. *Psychiatry.*—Principles of prevention. *II.* (1.) Professor Singer and associates

Required Courses—Fourth Year

2. *Neurology.*—Lectures and demonstrations. Continuous through the year. (1.) Professor Hassin

3. *Dispensary.*—8 two-hour periods. *I and II.* Assistant Professors Diamond, Olkon, Low, Dr. Solomon, Dr. Paskind

4. *Psychiatry.*—Lectures and case demonstrations. *I and II.* (1½.) Professors Singer, Davis

5. *Neurology.*—Clinic in Psychoneuroses. 8 two-hour periods. *I and II.* Assistant Professors Diamond, Low, Dr. Solomon

Elective Courses—Fourth Year

50. *Neuropathology.*—(*Eight weeks.*) *II.* (1.) Limited to one-half the class. Assistant Professor Diamond

51. *Clinical Psychiatry.—(Eight weeks.) II.* (1.) Prerequisite, Course 4. Professors Singer, Davis

Courses for Graduates

101. *Research in Neurology.—One to three units.* Professor Hassin

102. *Research in Psychiatry.—One to three units.* Professor Singer

For Physician's Courses see page 41.

OBSTETRICS AND GYNECOLOGY

Professor Falls, *Head of Department*

Professor Falls; Assistant Professors Lang, Hammond, Stone, Lackner, Lash, Browne, Newberger; Dr. Martin, Dr. Maryan, Dr. Skiles, Dr. Litt, Dr. Bacon, Dr. Busby, Dr. Rose, Dr. Bloomfield, Dr. Summerville, Dr. Kobak, Dr. Hill, Dr. Skemp, Dr. Kaplan, Miss McLaughlin, Dr. Jacobson, Dr. Lifvendahl, Dr. Edelstein, Dr. Krohn, Dr. Scott, Dr. Smith, Dr. Forkosh, Dr. Lesage, Dr. Schneider, Dr. Conway, Dr. Risk, Dr. Granger, Dr. Hillebrand, Dr. McClintock, Dr. Zettelman.

OBSTETRICS

REQUIRED COURSE—SECOND YEAR

1. *Introductory Course in Obstetrics.—II.* (1.) Professor FALLS

REQUIRED COURSES—THIRD YEAR

12. *Physiology of Pregnancy and Labor.—I.* (2.)
Assistant Professors HAMMOND, LASH, BROWNE, Dr. MARTIN, Dr. SKILES, Dr. KOBAK, Dr. LITT

13. *Pathology of Pregnancy and Labor and the Puerperium.*—Lectures, quizzes and demonstrations. *II.* (2.)
Professor FALLS, Assistant Professors LACKNER, NEWBERGER, BROWNE, Dr. MARTIN, Dr. LITT, Dr. MARYAN.

14. *Dispensary out-clinic.*—3 two-hour periods. (*Three weeks.*) *I and II.*
Assistant Professors BROWNE, NEWBERGER; Dr. MARYAN, Dr. BUSBY, Dr. BLOOMFIELD, Dr. JACOBSON, Dr. HILL, Dr. ROSE, Dr. KAPLAN, Dr. SKEMP, Dr. SCOTT, Dr. SMITH, Dr. CONWAY, Dr. RISK, Dr. KROHN.

16. *Obstetrical and Gynecological Laboratory.*—The student studies gross and miscroscopic specimens of such obstetrical complications as ruptured uterus, ablatio placenta, puerperal sepsis, ectopic pregnancy, hydatid and blood moles, and various diseases and abnormalities of the fetus and newborn. Bacteriological as well as pathological material is presented and fresh specimens when available. 1 two-hour period. (*Four weeks.*) *I and II.*
Assistant Professors LASH, BROWNE, Dr. MARYAN, Dr. LITT, Dr. HILL, Dr. KAPLAN, Dr. SUMMERVILLE.

ELECTIVE COURSES—THIRD YEAR

(Will not be given for less than 5 or more than 15 students)

50. *Toxemias of Pregnancy.*—I. (1.) Dr. SCOTT

51. *Cook County Hospital Ward Walk.*—(Limited to 20 students.) (*Eight weeks.*) *I and II.* Assistant Professor LASH, Dr. KAPLAN

52. *Puerperal Sepsis.—II.* (1.) Assistant Professor LASH

53. *Sterility and Conception.—I and II.* (1.)
Assistant Professor STONE and Dr. KOBAK

54. *Hemorrhages.—I.* (1.) Assistant Professor NEWBERGER

55. *Review Course.—II.* (1.) Dr. JACOBSON, Dr. ROSE

REQUIRED COURSES—FOURTH YEAR

18. *Manikin.*—Obstetrical operations demonstrated and opportunity afforded to do the operation on the manikin under supervision and to become thoroughly familiar with the instruments and technique of such operations. Small groups and individual instruction. 1 two-hour period. (*Eight weeks.*) *I and II.*
Assistant Professors HAMMOND, BROWNE, Dr. MARYAN

19. *Clinic.*—Research and Educational Hospital. *I and II.* (1.)
Professor FALLS, Assistant Professors BROWNE, HAMMOND

ELECTIVE COURSES—FOURTH YEAR

(Will not be given for less than 5 or more than 15 students)

56. *Heart Complications in Pregnancy.—I.* (1.) Dr. HILL

57. *Manikin.—I.* (1.) Dr. MARTIN, Dr. KROHN

58. *Review Course.—I.* (1.) Dr. JACOBSON and Dr. ROSE

59. *Obstetrical Laboratory.—I.* (1.) Dr. LITT

Course for Graduates

101. *Research in Obstetrics and Gynecology.—One to three units.*
Professor Falls

GYNECOLOGY

Required Courses—Fourth Year

1. *Lecture and quiz.*—Continuous through the year. (1.)
Professor Falls, Assistant Professors Stone, Lackner, Lash, Browne; Dr. Lifvendahl, Dr. Maryan, Dr. Scott, Dr. Rose

4. *Seminar.—I. (Eight weeks.)* (1.)
Assistant Professor Lang, Dr. Jacobson, Dr. Kaplan, Dr. Hill

7. *Clinic.*—Cook County Hospital. Operative and demonstration course. 1 two-hour period. (1.)
Professor Falls

15. *Clinic Dispensary.*—Small groups instructed in history taking and physical examinations; treat minor gynecological complaints under supervision. 3 two-hour periods. (*Three weeks.*) *I and II.* (1.)
Assistant Professors Lang, Stone, Lash; Dr. Kobak, Dr. Summerville, Dr. Hill, Dr. Skemp, Dr. Edelstein, Dr. Maryan, Dr. Krohn, Dr. Scott.

16. *Gynecological Laboratory.*—(See Obstetrics 16.) 1 two-hour period. (*Four weeks.*) *I and II.*
Assistant Professors Lash, Browne; Dr. Maryan, Dr. Litt, Dr. Hill, Dr. Kaplan, Dr. Summerville.

Elective Courses—Fourth Year

50. *Pelvic Neoplasms.—II.* (1.) Dr. Lifvendahl
51. *Pelvic Inflammation.—I.* (1.) Dr. Kobak
52. *Uterine Hemorrhages.—II.* (1.) Assistant Professor Browne
53. *Menstrual Disorders.—I.* (1.) Dr. Summerville
54. *Operative Gynecology.—I and II.* (1.) Professor Falls
56. *Pre-operative and Post-operative Gynecological Treatment.—I.* (1.) Dr. Hill
57. *Gynecological Diagnostic Methods.—II.* (1.) Assistant Professor Stone

OPHTHALMOLOGY

Associate Professor Beard; Assistant Professors Smith, Folk; Dr. Wolf, Dr. Kaufman, Dr. Apple, Dr. Reznick, Dr. Riser.

Required Courses—Fourth Year

1. *Clinic and Dispensary.*—Includes normal and pathological anatomy of the eye, practice in the use of ophthalmoscope, perimeter, focal light and test charts, and study of eye diseases which the general practitioner most frequently encounters. 5 two-hour periods. (*Four weeks.*) *I and II.*
Assistant Professor Folk, Dr. Wolf

2. *Didactic Ophthalmology.*—Illustrated lectures and quizzes. *I.* (1.)
Associate Professor Beard, Assistant Professor Folk

For Physician's Courses see page 41.

Course for Graduates

101. *Research in Ophthalmology.—One to three units.*

ORTHOPEDICS

Professor THOMAS; Assistant Professors HARK, MURPHY; Dr. MARSHALL, Dr. FISCHER, Dr. LAMBERT, Dr. ROSS, Dr. MULLEN, Dr. YU, Dr. MROZ.

REQUIRED COURSES—THIRD YEAR

3. *Practice.*—Conferences, recitations. *II.* (1.)
Professor THOMAS, Assistant Professors HARK, MURPHY; Dr. MARSHALL, Dr. FISCHER, Dr. LAMBERT, Dr. ROSS, Dr. MULLEN.

5. *Clinic.*—1 two-hour period. Continuous through the year.
Professor THOMAS

15. *Clinic.*—3 two-hour periods. (*Three weeks.*) *I and II.*
(a) *Dispensary.*—
Professor THOMAS, Assistant Professors HARK, MURPHY; Dr. MARSHALL, Dr. FISCHER, Dr. LAMBERT, Dr. ROSS, Dr. MULLEN.
(b) *Physiotherapy.*—Theory: Electrotherapy, hydrotherapy, mechanicotherapy, massage, muscle re-education. Practical demonstration.

ELECTIVE COURSES—FOURTH YEAR

50. *Special Topics in Surgery of Joints.*—Operative management of injuries, infections and tumors of the extremities and spinal column. *I.* (1.)
Professor THOMAS, Assistant Professor HARK

51. *Surgery of Bones and Joints.*—Cadaver demonstrations of operations for the reconstructions of extremity deformities; malunion and nonunited fractures; bone transplants and fusions in Pott's disease and in fractured spines; reconstruction in factured hips; operations following infantile paralysis. *II.* (1.)
Professor THOMAS, Dr. LAMBERT

SPECIAL PHYSIOTHERAPY INSTRUCTION

Clinic, Dispensary and Practice. Nurses, teachers and physical education graduates; a practical course for men and women interested in teaching crippled children and physical rehabilitation in special schools or industrial work. Registration limited. Fee for four month period $50.00.

COURSE FOR GRADUATES

101. *Research in Orthopedics.—One to three units.* Professor THOMAS

For Physician's Courses see page 41.

PATHOLOGY AND BACTERIOLOGY

Professors DAVIS, PETERSEN, ARNOLD; Associate Professor PILOT; Assistant Professors LEVINSON, SHAUGHNESSY, SAPHIR, NEDZEL, HULL; Dr. LADD, Dr. RAPPAPORT, Dr. BEACH, Dr. MILLES, Dr. KREMER, Dr. BOHROD, Dr. LEARNER, Mr. McDANIELS, Dr. BOIKAN, Dr. GULBRANDSEN, Dr. LEVINE, Miss KLEPPE, Miss CLARK, Dr. KUCHLEWSKI, Dr. MELNICK, Dr. NEIMAN, Dr. KLEIN.

REQUIRED COURSES—SECOND YEAR

1. *General Bacteriology and Protozoology.*—Lectures, demonstrations; 3: laboratory; 6 hours. *I.*
Professor ARNOLD, Assistant Professor NEDZEL and assistants

2. *General Pathology and Pathological Histology.*—Lectures, recitations, demonstrations; 3: laboratory; 9 hours. *II.*
Professor PETERSEN, Associate Professor PILOT, Assistant Professor LEVINSON and assistants.

4. *Clinical Pathology.*—Chemical and microscopical examination of urine, feces and blood, with emphasis on technique. Lectures and demonstrations; 1: laboratory; 4. *II.* Assistant Professor Levinson, Mr. Mac Fate and assistants

5. *Preventive Medicine.*—General principles of prevention of disease. Epidemiology. *II.* (2.) Professor Arnold and assistants

Required Courses—Third Year

24. *Autopsies.*—Routine postmortem examinations, practical work and demonstrations. 1 two-hour period. *I and II.*
Assistant Professor Levinson, Dr. Milles and assistants

25. *Special Pathology.*—Gross and microscopic examination of pathological material, postmortem bacteriology and experimental pathology. 1 three-hour period. *II.*
Associate Professor Pilot, Assistant Professor Saphir, Dr. Milles, Dr. Learner and assistants.

Required Course—Fourth Year

29. *Industrial Hygiene and Public Health.*—Industrial and occupational diseases; control and prevention. *II.* (2.) Professor Arnold, Dr. Beach

Elective Courses

(Open only to properly qualified students. Time to be arranged.)

51. *Advanced Work and Research.*— Professors Davis, Petersen, Arnold

52. *Industrial Hygiene.*— Professor Arnold, Dr. Beach

53. *Advanced Work in Public Health.*— Professor Arnold

55. *Diagnosis of Tumors.*—
Professor Petersen, Associate Professor Pilot, Dr. Milles

56. *Legal Medicine.*— Assistant Professor Levinson

Courses for Graduates

101. *Advanced Pathogenesis.*—Pathology and Bacteriology. *One or two units.*
Professors Davis, Petersen, Arnold; Associate Professor Pilot

105. *Individual Research.—One or two units.*
Professors Davis, Petersen, Arnold; Associate Professor Pilot

PEDIATRICS

Professors Hess, Irish, Blatt; Assistant Professors Bower, Calvin, Rosenblum, Poncher; Dr. Goldberger, Dr. Chamberlain, Dr. Robins, Dr. Saltiel, Dr. Greengard, Dr. Bronstein, Dr. Furby, Dr. Cohen, Dr. Levin, Dr. Pauker, Dr. Gasul, Dr. Halpern, Dr. Leichenger, Dr. Weinfeld, Dr. Suldane, Dr. Hoffman, Dr. Abrams, Dr. Tigay, Dr. Padnos, Dr. McKinley, Dr. Schneider, Miss Woodward.

Required Courses—Third Year

1. *Practice and Clinic.*—Nutrition and nutritional disturbances in infancy. Lectures; clinical conferences. *I.* (1.) Professor Hess

4. *Practice.*—Recitations. *II.* (1.) Professor Irish and assistants

5. *Clinic.*—Cook County Hospital. (*Eight weeks.*) *I and II.* (1.)
Assistant Professor Calvin

6. *Clinic.*—Cook County Hospital. (*Eight weeks.*) *I and II.* (1.)
Assistant Professor Rosenblum

9. *Clinic.*—Cook County Hospital. Contagious diseases. *(Four weeks.) I and II.* (2.) Assistant Professor BOWER, Dr. LEICHENGER and Dr. GASUL

ELECTIVE COURSES—THIRD YEAR

50. *Physical Diagnosis in Childhood.—(Eight weeks.) I and II.* (1.) Dr. SALTIEL

51. *Syphilis and Gonorrhea in Childhood.—* Dr. HOFFMAN

52. *Tuberculosis in Childhood.*—(Also open to seniors.) Dr. GREENGARD

REQUIRED COURSES—FOURTH YEAR

10. *Clinic.*—Dispensary; Research Hospital. 3 two-hour periods. *(Four weeks.) I and II.* DISPENSARY STAFF

12. *Clinic.*—Cook County Hospital. 1 two-hour period. *I and II* Professor HESS

13. *Clinic.*—Cook County Hospital. Physical diagnosis and demonstration of cases. 1 two-hour period. *(Eight weeks.) I and II.* Professor IRISH

14. *Clinic.*—Cook County Hospital. 1 two-hour period. *(Eight weeks.) I and II.* Professor BLATT

ELECTIVE COURSES—FOURTH YEAR

61. *Tuberculosis in Childhood.—(Eight weeks.) I and II.* (1.) Dr. GASUL

62. *Clinical Pediatrics.*—Research Hospital. *I and II.* (1). Assistant Professor PONCHER

63. *Laboratory Diagnosis.*—Research Hospital. 1 two-hour period. *(Eight weeks.) I.* Assistant Professor PONCHER

66. *Pediatrics.*—Mental Hygiene in infancy and childhood. *(Eight weeks.) II.* (1.) Professor SCHROEDER

COURSE FOR GRADUATES

101. *Research in Pediatrics.—One to three units.* Professor HESS, Assistant Professor PONCHER

PHARMACOLOGY, MATERIA MEDICA, AND THERAPEUTICS

Professors MCGUIGAN, FANTUS; Associate Professor CAMP; Mr. EWING, Mr. TERRY, Dr. MUEHLBERGER, Dr. HIGGINS, Mr. GANT.

REQUIRED COURSES—SECOND YEAR

(*Prerequisites:* Physiology, Course 1, or equivalent; Physiological Chemistry, Courses 51 and 52, or equivalent.)

1. *Pharmacology.*—Lectures; 3: laboratory; 6. *I.*
   Professor MCGUIGAN, Associate Professor CAMP, Mr. EWING, Dr. HIGGINS, Mr. TERRY.
4. *Pharmacology.*—Lectures or quizzes; 2: laboratory; 2. *II.*
   Professor MCGUIGAN, Associate Professor CAMP, Mr. EWING, Dr. MUEHLBERGER, Dr. HIGGINS, Mr. TERRY.

REQUIRED COURSE—THIRD YEAR

5. *Therapeutics.—I.* (2.) Professor MCGUIGAN, Professor FANTUS

ELECTIVE COURSES

(*Minimum registration:* 5 students for each course)

50. *History of Pharmacology and Toxicology.*—Review of modern books pertinent to the subject. Professor MCGUIGAN, Associate Professor CAMP

51. *Materia Medica.*—Prescription writing.
Professor McGUIGAN, Associate Professor CAMP

52. *Toxicology.*— Professor McGUIGAN, Associate Professor CAMP

53. *Systemic Pharmacology.*—(a) Eye, (b) digestive systems, (c) respiratory system, (d) autonomic nervous system, (e) blood, (f) circulatory organs, heart and kidneys. Professor McGUIGAN, Associate Professor CAMP

54. *Fundamental Principles of Therapy.*— Professor FANTUS

55. *Correlation of Pharmacology and Therapeutics.*—
Professor McGUIGAN, Associate Professor CAMP

56. *Seminar.*—Open to selected students. The staff

COURSES FOR GRADUATES

101. *Advanced Pharmacodynamics.—One or two units.*
Professor McGUIGAN, Associate Professor CAMP

103. *Research in Pharmacodynamics.—One or two units.*
Professor McGUIGAN, Associate Professor CAMP

PHYSIOLOGICAL CHEMISTRY

Professor WELKER; Associate Professor BERGEIM; Assistant Professor COLE; Dr. JOHNSON, Mr. MACFATE, Miss BRIGGS, Mr. HARVEY.

REQUIRED COURSES—FIRST YEAR

51. *Physico-chemical Properties of Solutions.*—Chemistry of carbohydrates, lipides, and proteins. Enzymes and digestion. Lectures, demonstrations, conferences; 1½: laboratory; 4. *I.*
Professor WELKER; Associate Professor BERGEIM; Assistant Professor COLE, Dr. JOHNSON, Miss BRIGGS, Mr. HARVEY, and assistants.

52. *Chemistry of Bile, Blood, Milk and Tissues.*—Metabolism. Chemistry of urine (qualitative and quantitative). Lectures, demonstrations, conferences; 1½: laboratory; 4. *II.*
Professor WELKER; Associate Professor BERGEIM; Assistant Professor COLE, Dr. JOHNSON, Miss BRIGGS, Mr. HARVEY, and assistants.

ELECTIVE COURSES

60. *Special Topics in Biochemistry.* — Blood analysis. Vitamine studies. Methods and clinical significance. Associate Professor BERGEIM

61. *Physical and Colloid Chemistry.*—The elements of physical and colloid chemistry and their application to biology and medicine, with emphasis on the chemistry of the proteins. Assistant Professor COLE

62. *Preparation of Pure Proteins.* Professor WELKER

Biochemical Seminar.—The members of the teaching staff and graduate students in physiological chemistry meet weekly to discuss the current literature.

Research.—The laboratories are open to qualified persons for the conduct of original investigations under the direction of the staff.

COURSES FOR GRADUATES

101. *Advanced Biological Chemistry.*—Biochemical methods of research, biological colloids, enzyme action and metabolism.—*One or two units.*
Professor WELKER, Associate Professor BERGEIM, Assistant Professor COLE

103. *Biochemical Research.—One or two units.*
Professor WELKER, Associate Professor BERGEIM, Assistant Professor COLE

PHYSIOLOGY

Professors Visscher, Bachem, Gellhorn; Assistant Professor Reed; Mr. Smith; Dr. Ingraham; Mr. Dillman, Mr. Peters, Dr. Rea.

Required Course—First Year

1. *Human Physiology.*—The function of the several tissues and organs and the correlation and regulation of their activities in the human organism. Lectures, conferences, demonstrations and laboratory. *II.* (7.)
Professors Visscher, Bachem, Gellhorn; Assistant Professor Reed and staff

Required Course—Second Year

2. *Human Physiology.*—Continuation of Physiology 1. *I.* (8.)
Professors Visscher, Bachem, Gellhorn; Assistant Professor Reed and staff

Elective Courses

(Open only to qualified students.)

51. *The Physiology of the Heart.*— Professor Visscher

52. *Physiological Effects of Radiations.*— Professor Bachem

53. *The Physiology of the Alimentary Tract.*— Assistant Professor Reed

54. *Functions of Endocrine Glands.*— Assistant Professor Reed

55. *Problems in Physiology.*—
Professors Visscher, Bachem, Gellhorn, Assistant Professor Reed

56. *History of Physiology.*— Professor Visscher

Courses for Graduates

101. *Advanced Physiology.—One or two units.*
Professors Visscher, Gellhorn

102. *Research in Physiology.—One to three units.*
Professors Visscher, Gellhorn

103. *Research in Biophysics.—One to three units.* Professor Bachem

SURGERY

Professor Hedblom, *Head of Department*

GENERAL SURGERY

Professors Hedblom, Humiston, Percy, Dyas, Phifer, De Tarnowsky, Moorehead; Associate Professor Post; Assistant Professors Bamberger, Davenport, Nadeau, McArthur, Jirka, Jones, Metz, Koucky, Seed, Crile, Kordenat, Mora, Malcolm, Oldberg; Dr. Zechel, Dr. Kronenberg, Dr. Joannides, Dr. Stephens, Dr. Wallace, Dr. Sarma, Dr. Puestow, Dr. Graham, Dr. Wernicke, Dr. Van Hazel, Dr. Meyer, Dr. Oden, Dr. Willis, Dr. Stein, Dr. DeLano, Dr. Almquist, Dr. Marshall, Dr. Percy, Dr. Mishkin, Dr. Schultz, Dr. Braude, Dr. Parker, Dr. Brown, Dr. Drueck, Dr. Rubin, Dr. Alcorn, Dr. Poppen, Dr. Gillesby, Dr. Davison, Dr. Garland, Dr. Best, Dr. Ritch, Dr. Murphy, Dr. Scuderi, Dr. Brunner.

Required Course—Second Year

1. *Fundamental Principles of Surgery.*—Asepsis, Anaesthesia, Shock, Hemorrhage, Septicemia, Surgery of the Skin, Blood Vessels and Lymphatics, and Surgical Dressings. *II.* (2.) Professor Hedblom and staff

REQUIRED COURSES—THIRD YEAR

2. *Regional Surgery and Surgical Pathology.*—Conferences, demonstrations, recitations. Continuous through the year. (2.)
Professor PHIFER, Associate Professor POST; Assistant Professors BAMBERGER, SEED.

5. *Surgical Diagnosis.*—Research and Educational Hospital. *I and II.* (1.)
Professor HEDBLOM

6. *Clinic.*—Research and Educational Hospital. 1 two-hour period. *(Eight weeks.) I and II.* Assistant Professor MALCOLM

7. *Clinic.*—Dispensary, Research and Educational Hospital. History taking, Diagnosis, Minor Surgery and Surgical Dressings. 3 two-hour periods. *(Three weeks.) I and II.*
Assistant Professors BAMBERGER, KORDENAT, MORA; Dr. KRONENBERG, Dr. SARMA, Dr. WALLACE; Dr. ALMQUIST, Dr. DELANO, Dr. PERCY, Dr. VAN HAZEL, Dr. DRUECK, Dr. RUBIN, Dr. MISHKIN, Dr. WERNICKE, Dr. BEST, Dr. GARLAND.

11. *Clinic.*—Cook County Hospital. 1 two-hour period. *(Eight weeks.) I and II.* Professor DYAS

13. *Clinic.*—Augustana Hospital. 1 two-hour period. (*Eight weeks.*) *I and II.* Professor PERCY

ELECTIVE COURSES—THIRD YEAR

50. *Principles of Surgery*—A review course. *II.* (2.)
Assistant Professor MORA, Dr. PARKER

53. *Surgery of Fractures.*—*I.* (2.) Assistant Professor MALCOLM

55. *Blood Transfusion, Surgical Dressings, and Bandaging.*—Individual instruction and demonstration. *I.* (1.) Assistant Professor KORDENAT

57. *Surgical Diagnosis.*—*I.* (1). Dr. JOANNIDES, Dr. MEYER

REQUIRED COURSES—FOURTH YEAR

20. *Clinic.*—Research and Educational Hospital. Continuous through the year. (1.) Professor HEDBLOM

23. *Clinic.*—Research and Educational Hospital. 1 two-hour period. *(Eight weeks.) I and II.* Dr. PUESTOW

24. *Clinic.*—Cook County Hospital. 1 two-hour period. *(Eight weeks.) I and II.* Professor DYAS

25. *Clinic.*—Washington Boulevard Hospital. 1 two-hour period. *(Eight weeks.) I and II.* Assistant Professor METZ

26. *Surgical Pathology.*—Laboratory. 1 two-hour period. *(Eight weeks.) I and II.* Assistant Professor NADEAU

27. *Oral Surgery.*—1 two-hour period. (*Four weeks.*) *I and II.*
Dr. SCHULTZ

28. *Clinic.*—Research Hospital. 1 two-hour period. (*Eight weeks.*) *I and II.*
Professor DE TARNOWSKY

32. *Clinic.*—Augustana Hospital. 1 two-hour period. (*Eight weeks.*) *I and II.*
Professor PERCY

34. *Clinic.*—Research and Educational Hospital 1 two-hour period. *(Eight weeks.) I and II.* Assistant Professor OLDBERG

36. *Clinic.*—Cook County Hospital. 1 two-hour period. *(Eight weeks.) I and II.* Assistant Professor JIRKA

ELECTIVE COURSES—FOURTH YEAR

51. *Regional Surgery.*—A review course. *I.* (2.)
Assistant Professor MORA, Dr. PARKER

52. *Surgical Diagnosis.—II.* (1.) Dr. GRAHAM, Dr. BRAUDE

58. *Surgery of the Central Nervous System.—II.* (1.)
Assistant Professor OLDBERG

59. *Surgery of the Neck.—II.* (1.) Assistant Professor SEED

60. *Surgery of the Thorax.—II.* (1.) Professor HEDBLOM, Dr. VAN HAZEL

63. *Principles and Practice of Anaesthesia.—I.* (1.)

65. *Surgical Diagnosis.—II.* (1.) Dr. STEPHENS

68. *Operative Surgery on Animals.*—1 two-hour period. *II.*
Assistant Professor KOUCKY

70. *Research on assigned problems to those qualified.*
Professor HEDBLOM and staff

73. *Treatment of Fractures.—I.* (1.) Professor DE TARNOWSKY

74. *Neurological Surgery.—I.* (1.) Associate Professor OLDBERG

75. *Regional Surgical Anatomy.—I.* (1.) Dr. ZECHEL

76. *Operative Surgery.—I.* (1.) Dr. PUESTOW

77. *Surgical Technic.—II.* (1.) Dr. PUESTOW

78. *Surgery of Fractures.—II.* (2). Dr. SCUDERI

COURSE FOR GRADUATES

101. *Research in Surgery.—One to three units.*
Professor HEDBLOM, Associate Professor OLDBERG, Dr. PUESTOW

GENITO-URINARY SURGERY

Professor MCKENNA; Associate Professor O'CONOR; Assistant Professor HERROLD; Dr. HIRSCH, Dr. EWERT, Dr. PLATIN, Dr. GERNON, Dr. MCNALLY, Dr. SCHACHT, Dr. RITCH.

REQUIRED COURSES—THIRD YEAR

3. *Practice.*—Conferences, recitations. *I.* (1.)
Associate Professor O'CONOR, Assistant Professor HERROLD, Dr. EWERT

5. *Clinic.*—Dispensary. 3 two-hour periods. (*Three weeks.*) *I and II.*
Professor MCKENNA; Dr. PLATIN, Dr. EWERT, Dr. GERNON, Dr. SCHACHT

REQUIRED COURSES—FOURTH YEAR

12. *Clinic.*—Washington Boulevard Hospital. 1 two-hour period. *(Four weeks.) I and II.* Associate Professor O'CONOR

13. *Clinic.*—Research and Educational Hospital. Individual instruction in the diagnosis of genito-urinary diseases, including cystoscopy, catheterization of ureters, interpretation of roentgenograms and of chemical and microscopical urinalyses. 1 two-hour period. (*Four weeks.*) *I and II.* Professor MCKENNA

ELECTIVE COURSE—FOURTH YEAR

51. *Surgery of the Genito-urinary Tract.—I and II.* (1.)
Professor MCKENNA, Associate Professor O'CONOR

SPECIAL COURSES FOR PHYSICIANS

The following courses are open to physicians with degrees from recognized institutions. In all cases the approval of the head of the department concerned must be secured. The registration is conducted in the office of the Recorder and Examiner and the fees are payable in advance at the Business Office:—

ANATOMY

60. *Anatomy Dissection.*—This course for physicians and surgeons only, provides for complete or partial dissection of the human cadaver. The length of the course does not exceed four months and is limited to the spring and summer periods until more space is available. Special instruction is given only if four or more persons are taking the course at the same time, and if they desire it. The fee for four months is $100.00, and may be shared by two students.

NEUROPSYCHIATRY

80. *Clinical Course.*—Designed to present methods of examination and indications for treatment. Includes attendance at clinics and ward rounds, work in anatomy, physiology, pathology, serology, etc. Hours to be arranged. Registration limited. Fee for four months period, $50.00.

OPHTHALMOLOGY

80. *Clinical Course.*—Designed for those who wish to take up ophthalmology as a specialty. Only one process is studied at a time. Processes taught are: *I.* Determination of Central Visual Acuity, Neutralization of Lenses, Retinoscopy, Refraction (with Cycloplegia and without), Tonometry, Determination of Degrees of Strabismus or Paralysis, Types of Discs (Elschnig's Classification); *II.* Measurements of Disc Levels, Perimetry, Objective Findings in External and Fundus Diseases, Case-History Writing and Diagnosis, Prognosis, and Treatment of a given case as a whole. This course extends over three periods of four months each, and no applicant is accepted for registration for less than the full twelve months. Pathology is taken with undergraduate students. Hours: 9 to 12 a.m., 6 days per week.
The fee for each period of four months is $50.00. The Staff

81. *Pathology of the Eye.—(Four months.)* Hours to be arranged. *I or II.*
Associate Professor Beard

ORTHOPEDICS

80. *Clinical Course.*—Designed to present and show the importance of examination and systematic development of indications. Includes, (a) Attendance at clinics and ward rounds, (b) Operative orthopedic surgery on cadavers, (c) Assistance at operations, (d) Work in pathology, psychiatry, general surgery, physiotherapy, neurology, serology, etc. Hours to be arranged. Registration limited. Fee for 4 months period, $50.00. The Staff

ROENTGENOLOGY

80. *Clinical Course.*—Designed for those desiring to take up roentgenology as a specialty. Includes theoretical and practical teaching of the use of roentgen rays and radium for diagnosis and treatment. Offers opportunity to observe the technique of all standard roentgen examinations. Instruction given in interpreting findings on films and fluoroscopic screen and in the application of radiation to superficial and deep lesions. Extends over two semesters of four months each and no applicant is accepted for less than the full period. Number limited. Hours: 8:30 to 12 a.m., 2 to 5 p.m. Fee for each semester, $100.00
The Staff

OTOLARYNGOLOGY

80. *Clinical Assistantship.*—This course is primarily intended for Post-Graduates in the Department of Otolaryngology. It is designed to present standardized methods in diagnosis and the problems of treatment based upon the pathological findings of cases in the ambulatory clinics of the Research and Educational Hospital. Case history taking, methods of examinations, special anatomy (optional), gross pathology and indications for treatment and operation are stressed. The work is done for the most part independently under proper supervision and direction. An effort is made to assist the students in some of the more difficult phases of their clinical work by practical demonstration courses, which are also available as review courses for men already established in special practice. The course extends over a period of four months and for three periods a year. The fee for each period of four months is $100.00. Hours: 10 to 12 a.m. and 2 to 4 p.m., six days a week. THE STAFF

81. *Functional Tests of the Ear.*—(a) Cochlear apparatus with special consideration of the use of tuning forks; (b) Vestibular apparatus with special reference to the caloric, rotatory and galvanic tests. 10 hours. Minimum, 2 students. Fee, $25.00. Assistant Professor J. J. THEOBALD, Dr. S. L. SHAPIRO

82. *Tuberculosis of the Larynx.*—Municipal Tuberculosis Sanitarium. Demonstration upon patients of typical aspects of the disease with exact description of differential diagnosis and method of therapy. 10 hours. Limited to two students. Fee, $25.00. Associate Professor LEDERER

83. *Intubation and Tracheotomy.*—Municipal Contagious Disease Hospital. Demonstration upon patients with discussion of indications and treatment; manikin practice. 12 hours. Limited to two students. Fee, $50.00.
Associate Professor LEDERER

84. *Histopathology of the Ear, Nose and Throat.*—Demonstration of gross and microscopic specimens; laboratory technique. 20 hours. Limited to 2 students. Fee, $50.00. Dr. FOX, Dr. SPIESMAN

85. *Bronchoscopy and Esophagoscopy.*—Research Hospital. Demonstration of methods of examination, indications and contraindications; manikin practice; technique of bronchography. 12 hours. Limited to two students. Fee, $50.00.
Associate Professor LEDERER

86. *Otoneurology.*—Vestibular apparatus in relation to labyrinthine disease, brain tumors and head injuries. 10 hours. Limited to 5 students. Fee, $25.00.
Dr. S. L. SHAPIRO

87. *Surgical Anatomy and Surgery of the Mastoid.*—Demonstration of specimens and technique of operation. Practice on the cadaver. 10 hours. Limited to 2 students. Fee, $50.00.
Associate Professor LEDERER, Dr. A. C. KANE

88. (a) *Surgical Anatomy of the Nose and Sinuses.*—
(b) *Clinical Aspects of Sinus Disease.*—10 hours. Minimum registration, 2 students. Fee, $25.00.
Assistant Professor W. H. THEOBALD, Dr. VAN ALYEA, Dr. L. FISHMAN

Note: Courses 81 to 88, inclusive, may be registered for individually or in groups, the time being arranged for with the instructors. Applicants must be graduates of a Class A medical school and present proper credentials acceptable to the chairman of the department for admission.

89. *Otolaryngological Seminar.* — Presentation and discussion of clinical cases; critical reviews of results of investigations and current literature. Weekly conferences. THE STAFF

SURGERY

80. *Thoracic Surgery.*—Practical instruction in diagnosis including interpretation of roentgenographic findings, operative clinics, post-operative care, assigned readings. Fee, $100 per semester. Professor HEDBLOM

PROVISIONAL SUMMARY OF CLOCK HOURS

Subjects	First Semester		Second Semester		Total
	Didactic	Laboratory	Didactic	Laboratory	
First Year					
Anatomy, Gross	48	96	48	96	288
Histology	24	48	24	48	144
Embryology	12	24	12	24	72
Neurology	12	24	12	24	72
Physiological Chemistry	24	64	24	64	176
Physiology	..	..	64	48	112
Total	120	256	184	304	864
Second Year					
Bacteriology	48	96	..	..	144
Hygiene	..	..	32	..	32
Medicine	16	..	32	..	48
Physical Diagnosis	..	..	16	32	48
Obstetrics	..	..	16	..	16
Pathology	..	..	48	144	192
Clinical Pathology	..	..	16	64	80
Pharmacology	48	96	32	32	208
Physiology	64	64	..	..	128
Surgery	..	..	32	..	32
Total	176	256	224	272	928
Third Year					
Anatomy, Topographic	..	64	..	..	64
Autopsies	..	16	..	16	32
Pathology, Special	..	..	..	48	48
Criminology 5	..	..	16	..	16
Dermatology	16	..	16	..	32
Medicine	32	98	32	82	244
Neurology	..	..	16	..	16
Obstetrics	32	17	32	17	98
Otolaryngology	16	17	16	17	66
Pediatrics	16	12	16	12	56
Psychiatry 6	..	..	16	..	16
Therapeutics	32	..	..	..	32
Surgery	32	50	32	50	164
Genito-urinary Surgery	16	9	..	9	34
Orthopedic Surgery	..	25	16	25	66
Electives	32	..	32	..	64
Total	224	308	240	276	1048
Fourth Year					
Dermatology	16	6	16	6	44
Gynecology	20	21	20	21	82
Hygiene	..	32	..	..	32
Jurisprudence	..	..	16	..	16
Medicine	16	104	32	104	256
Neurology	..	24	..	40	64
Obstetrics	..	20	..	20	40
Ophthalmology	16	20	..	20	56
Otolaryngology	..	8	..	8	16
Pediatrics	..	44	..	44	88
Psychiatry	..	12	..	12	24
Roentgenology	32	12	..	..	44
Surgery	..	84	..	84	168
Genito-urinary Surgery	..	8	..	8	16
Electives	88	..	88	..	176
Total	188	395	172	367	1122

COLLEGE ORGANIZATIONS

ALUMNI ASSOCIATION OF THE COLLEGE OF MEDICINE OF THE UNIVERSITY OF ILLINOIS

President—JOS. ZABOKRTSKY, '01, 31 N. State St., Chicago.
President-Elect—VANDY F. MASILKO, '00, 2524 S. Keeler Ave., Chicago.
First Vice-President—H. W. WOODRUFF, '92, Heggie Bldg., Joliet, Ill.
Second Vice-President—STEPHEN CAHARA, '11, 114 Grand Ave., Milwaukee, Wis.
Third Vice-President—I. M. BROWN, '88, New London, Wis.
Secretary-Treasurer—EDWARD LOUIS HEINTZ,[1] '01, 432 S. Lincoln St., Chicago.
Necrologist—F. H. RENBERG, '05, 3037 Wentworth Ave., Chicago.
Member Executive Committee—ARTHUR V. DENEVEAU, '03, Johnson Emergency Hospital, Milwaukee, Wis.

Alumni Councillors—JOHN M. KRASA, '13, 3335 W. 26th St., Chicago.
WM. HARCOURT BROWNE, '23, 2051 Sedgwick St., Chicago.
M. ROBERT WEIDNER, JR., '27, 417 Lincoln St., Dalton, Ill.
HENRY MCMUNN VORIS, '03, 1601 N. 46th St., East St. Louis, Ill.
ISADORE PILOT, '17, 2551 N. Clark St., Chicago.
R. W. MCNEALY, '10, 30 N. Michigan Ave., Chicago.
C. B. VOIGHT, '00, 1702 Broadway, Mattoon, Ill.
TOM B. KNOX, '02, Quincy, Ill.
PAUL URMSTON, '03, Bay City, Michigan.
RALPH KING, '16, Olney, Ill.
C. C. CLEMENT, '06, 30 N. Michigan, Chicago.
F. B. LANGDON, '15, 1022 Bankers' Trust Bldg., Des Moines, Iowa.
F. J. KOTALIK, '13, 6348 W. 26th St., Berwyn, Ill.
J. K. CHORLOG, '07, 301 S. Pickney, Madison, Wis.
C. J. BESTA,[1] '26, 2354 S. St. Louis Ave., Chicago.

ALPHA OMEGA ALPHA

Alpha Omega Alpha, an international honorary medical fraternity, with chapters in fifty-six "Class A" medical schools, was founded in the College of Medicine of the University of Illinois in 1902.

Third and fourth year medical students who have a grade of scholarship ranking them in the upper one-sixth of their class are eligible for membership.

GROUP I.—CLASS OF 1933

MELVIN COHEN
DAVID B. RADNER
JACK WELTY
ALLEN J. ZIMRING
NATHAN ZOLT

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[1] Deceased.

GROUP II.—CLASS OF 1933

ROBERT E. BEDARD	JACK KRUGLICK
HAROLD C. BERNSTEIN	ALBERT J. LEVINE
ANTHONY FRANCONA	HOWARD R. MILLER
JACOB D. GOTTLIEB	ERNEST W. WERBEL
DAVID S. KORANSKY	JAMES A. WINSBERG

PI KAPPA EPSILON

An Honorary Fraternity to which members are selected on a basis of character, personality, and professional qualities.

CLASS OF 1933

PAUL B. BAUER	WILLIAM ROBERT SLADEK
HOWARD RUSSELL MILLER	ALBYN GARRETT WOLFE
JOSEPH ALOYSIUS PATKA	

CLASS OF 1934

GEORGE HICKMAN BURKHART	JOHN WILLIAM FRICKE
FRANK BENSON DEARDORF	ROBERT WAGNER GLENN
NOEL JOHN HERSHEY	

SIGMA XI

In the Spring of 1928 the Society of the Sigma Xi granted a charter for the organization of a chapter at the College of Medicine of the University of Illinois. The Society has for its object the promotion of research.

OFFICERS FOR 1932-33

Dr. C. S. WILLIAMSON, President; Dr. W. J. R. CAMP, Vice-President; Dr. W. H. WELKER, Secretary; Dr. I. PILOT, Treasurer; Dr. O. F. KAMPMEIER, Dr. H. A. MCGUIGAN, Dr. D. J. DAVIS, Elective Members of the Executive Committee.

ELECTED TO ACTIVE MEMBERSHIP

Dr. G. VON BONIN, *Associate in Anatomy*
Dr. B. FANTUS, *Professor of Therapeutics*
Dr. S. J. HOFFMAN, *Instructor in Pediatrics*
Dr. J. D. KIRSHBAUM, *Assistant Resident Pathologist*
Dr. J. D. KOUCKY, *Assistant Professor of Surgery*
Dr. A. LEARNER, *Instructor in Pathology*
Dr. I. SCHOUR, *Associate Professor of Histology*
Dr. S. L. SHAPIRO, *Instructor in Laryngology, Rhinology and Otology*
Mr. P. W. SMITH, *Instructor in Physiology*
Dr. C. W. STUART, *Instructor in Pathology*
Dr. H. B. THOMAS, *Professor of Orthopedics, Head of Department and Director of Orthopedic Institute*

ASSOCIATE MEMBERS

Dr. I. P. BRONSTEIN, *Associate in Pediatrics*
Mr. V. A. GANT, *Assistant in Pharmacology, Materia Medica, and Therapeutics*
Mr. G. E. GILMAN, *Graduate Student*
Mrs. Z. L. HERNDON, *Graduate Student*
Mr. T. M. JOHNSON, *Graduate Student*
Dr. S. KAPLAN, *Instructor in Obstetrics and Gynecology*
Mr. A. H. LEVINE, *Graduate Student*
Miss E. MEYER, *Instructor in Bacteriology*
Mr. D. S. MILLER, *Graduate Student*
Mrs. M. E. MILLIKEN, *Hospital Serologist*
Mr. L. F. MOLDAVSKY, *Graduate Student*
Mr. M. P. ORLOFF, *Graduate Student*
Mr. H. C. PETERS, *Assistant in Physiology*
Mr. R. H. PUUMALA, *Assistant in Anatomy*
Mr. G. RONSTROM, *Graduate Student*
Mr. E. E. P. SEIDMON, *Graduate Student*
Dr. E. C. WACH, *Associate in Therapeutics*
Mr. G. L. WEBSTER, *Associate in Chemistry*
Mrs. E. TEETERS WOODRUFF, *Graduate Student*

MEDICAL RESEARCH CLUB

The Medical Research Club, the object of which is the stimulation of scientific research, meets twice a month for the discussion of original scientific contributions. Since its organization in January, 1914, many papers have been presented before the society. The spirit of generous competition and helpful criticism that prevails in this club has been a stimulus toward the production of an increasing number of valuable scientific contributions.

Graduate students and others giving promise of doing meritorious work are eligible to associate membership. Associate members have all the rights and privileges of the club except the right to vote.

ELECTED TO HONORARY MEMBERSHIP

WILLIAM C. ROSE, Ph.D., *Professor of Physiological Chemistry, University of Illinois.*

DEGREES CONFERRED

Since July 1, 1932

(See also page 70.)

DEGREE OF DOCTOR OF MEDICINE

Leon Judah Aries, B.S., M.S. (September 30, 1932)
Louis Berger, B.S. (September 30, 1932)
Alvin Jay Cerny, B.S. (July 3, 1932)
Bernard M. Cohen, B.S., M.S. (September 30, 1932)
Jackson Bernard Dismukes, B.S. (September 30, 1932)
Milton Judson Donkle, A.B. (December 31, 1932)
Jacob Joseph Edinburg, B.S. (December 31, 1932)
Andrew Galloway, B.S. (July 6, 1932)
Samuel Hyman, B.S. (July 29, 1932)
Howard Matthew Jacobs, B.S. (December 31, 1932)
Kenneth Putnam Johnston, B.S. (December 31, 1932)
Clarence Samuel Krakow, B.S. (February 7, 1933)
David Milton Kurschner, B.S. (August 1, 1932)
Wilbur Mayo Larson, B.S. (September 30, 1932)
David Lerner, B.S. (September 30, 1932)
Samuel Alvin Loseff, B.S. (September 30, 1932)
Ernest Dewitt Richard Ponzer, B.S. (August 1, 1932)
Joseph Poticha, B.S. (March 31, 1933)
Frank L. Quillman (December 31, 1932)
Alex Benjamin Ragins, B.S., M.S. (September 30, 1932)
Lester Allen Riskind, B.S. (December 31, 1932)
Arnold Elmer Frederick Ritt, B.S. (July 15, 1932)
Edward Ross (September 30, 1932)
Emanuel Taft, B.S. (September 24, 1932)
Marion Meredith Taylor, B.E., B.S., M.S. (December 31, 1932)
Otto Ernest Van Der Aue, B.S. (July 3, 1932)
Carl Fremont Waters (December 31, 1932)
Constantin Fredrick Wente (February 7, 1933)

CERTIFICATE IN MEDICINE

Students who have completed four years of scheduled work in the College of Medicine of the University of Illinois, and who, upon the completion of a year of satisfactory interneship in a hospital approved by the University, will be entitled to the degree of Doctor of Medicine.

Jerry Chobot, B.S. (February 1, 1933)
Henry Noah Cress (August 1, 1932)
Robert Henner (February 1, 1933)
William Wallace Holleman (August 15, 1932)
John Joseph Kazak, B.S. (February 2, 1933)
John Campbell Washington, B.S. (August 1, 1933)

DEGREE OF BACHELOR OF SCIENCE

George Henry Agate (February 15, 1933)
Elmer Arnold Albers (February 15, 1933)
Glen C. Anderson (February 15, 1933)
Meyer Brodkin (February 15, 1933)
Harry Cooper (February 15, 1933)
Robert Paul Coseglia (October 15, 1932)
Henry Arthur Grennan (February 15, 1933)
Deloss Reed Hanley (October 15, 1932)
Ross Edward Herrmann (February 15, 1933)
David Kleiman (February 15, 1933)
Joseph Louis Knapp (February 15, 1933)
Morey Lapin (February 15, 1933)
Homer Lee Lawder (October 15, 1932)
Louis Philip Matthei (February 6, 1932)
Theodore C. Mouzakeotis (October 13, 1931)
Philip Howard Narodick (February 15, 1933)
Henry Bernard Okner (February 15, 1933)
William Victor Roberson (February 15, 1933)
Irving Schuman (October 13, 1931)

REGISTER OF STUDENTS, 1932-33

FIFTH-YEAR CLASS—HOSPITAL APPOINTMENTS

American Hospital, Chicago
- Abraham Leff
- Clarence S. Karow

Ancker Hospital, St. Paul, Minn.
- William Clay Dine, Jr.
- Edgar Abney Thacker

California Lutheran Hospital, Los Angeles, Calif.
- Paul Montel Rice

Cleveland City Hospital, Cleveland, Ohio
- Murray S. DuMont

Columbus Hospital, Seattle, Washington
- Charles D. Kanter

Cook County Hospital, Chicago
- David A. Bennett*
- Harry Berman*
- Edward C. Bernell
- Samuel I. Ditkowsky
- Maurice I. Edelman*
- George H. Fleischli*
- George Goldenberg*
- Paul Hurwitz*
- Samuel S. Leavitt*
- David Lerner*
- Ben W. Lichtenstein
- Nathan A. Masor
- David S. Miller*
- Joseph S. Miller
- Milton M. Mosko
- Isadore M. Neims*
- John T. Reynolds*
- Martin J. Rosenthal
- Arthur H. Schumacher*
- Norman Shure
- Joseph Simons
- Isadore C. Udesky*
- John W. Wall

Deaconess Hospital, Evansville, Indiana
- Albert H. Feinerman

Decatur and Macon County Hospital, Decatur, Illinois
- Constantin F. Wente

Edgewater Hospital, Chicago
- Jack Galin

Elgin State Hospital, Elgin, Illinois
- David A. Lemberg
- Arthur Schwartz

Engelwood Hospital, Chicago
- William H. Holleman
- Joseph Allan Hubata

Evangelical Hospital, Chicago
- Irving Harter
- Samuel I. Richmond

Foote Memorial Hospital, Jackson, Michigan
- Cecil E. Tate

Fresno General Hospital, Fresno, California
- Benjamin Appelman

Grant Hospital, Chicago
- Emanuel A. Kominik
- Alfred H. Movius, Jr.
- Theodore J. Nereim
- Harry Ryan

Harborview Hospital, Seattle, Washington
- Joseph S. Poticha

Harper Hospital, Detroit, Michigan
- Robert Bruce Wilson

Illinois Masonic Hospital, Chicago
- George C. Geymer
- John H. Gilmore
- Theodore N. Rafferty
- Louis M. Steiner
- Adelbert E. Wuesteman

Indianapolis City Hospital, Indianapolis, Indiana
- Clarence F. Kelly

Jersey City Hospital, Jersey City, New Jersey
- Louis Weinberg

Kankakee State Hospital, Kankakee, Illinois
- David S. Miller
- Carl Sugar

Lakeview Hospital, Chicago
- Delmar Domke
- Fred W. Seymour
- Walter A. Stark

Los Angeles County General Hospital, Los Angeles, California
- Carl Sugar
- Lee E. Siegel

Lutheran Deaconess Hospital, Chicago
- Harry G. Becker

Lutheran Memorial Hospital, Chicago
- Harry Kotler
- Michael H. Shuger

Mercy Hospital, Davenport, Iowa
- Alfred K. Meyer

Michael Reese Hospital, Chicago
- Milton Handelman
- Rudolph Hecht*
- Benjamin Highman
- Arthur Schwartz*
- Joseph Stagman*
- Robert Henner*

Mount Sinai Hospital, Chicago
- Edward Aron
- Ephraim Frank Goodman
- Arthur Harry Levine
- Isadore Turow

Murray Hospital, Butte, Montana
- Robert G. Hickerson

New York City Hospital, New York, N. Y.
- David L. Lerner

Norwegian-American Hospital, Chicago
- Jerry Chobot

Oak Park Hospital, Oak Park, Illinois
- Ambrose D. Schneider

Provident Hospital, Chicago
- John C. Washington

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*Service begins January 1, 1933.

Ravenswood Hospital, Chicago
Max Boyd McQueen

Research and Educational Hospital, Chicago
Gilbert H. Edwards
Fred C. Endres
Arthur L. Ennis
John O. Firth
David S. Jaffray
John A. Legier
George H. Rezek
George Ronstrom
William Frank Sayle
LaVerne Myron Wallheiser

Sacramento Hospital, Sacramento, California
Claire M. Dixon
Loren L. Love

San Diego County Hospital, San Diego, California
Raymond F. Donovan

Southern Pacific General Hospital, San Francisco, California
Howard G. Diesner

Santa Clara County Hospital, San Jose, California
Lester W. Baird

St. Anthony de Padua Hospital, Chicago
Morris P. Orloff

St. Francis Hospital, Evanston, Illinois
William J. Copeland
Thomas J. Conley, Jr.

St. Joseph's Hospital, Chicago
Isadore E. Steck

St. Joseph's Hospital, Joliet, Illinois
Vaheh M. Seron

St. Louis City Hospital No. 1, St. Louis, Missouri
Howard A. Finney

St. Luke's Hospital, Chicago
Harold Mark Hoover
John Albert Layman
Armand J. Mauzey
Burtis E. Montgomery
Harley R. Varney
Lorin D. Whittaker
Finis Ellsworth Wilson

St. Luke's Hospital, St. Louis, Missouri
William H. Walton

St. Mary's Hospital, Grand Rapids, Michigan
Daniel Feiman

St. Vincent's Hospital, Portland, Oregon
Leo J. Greenberg

University Hospital, Chicago
Merrill John Werner

U. S. Naval Hospital, Portsmouth, Virginia
Frank R. Urban

Wesley Memorial Hospital, Chicago
William E. Bretz*
Paul L. Shallenberger

West Suburban Hospital, Oak Park, Illinois
Thaddeus M. Koppa
Runyon H. Irvin
Elmer J. Kocour
Constantin F. Wente

Frances E. Willard Hospital, Chicago
Leon M. Erenburg
Max Sinay

Women's and Children's Hospital, Chicago
Fannie Buky
Thelma Russell Shurtz

Research Work, Department of Pathology and Bacteriology, University of Illinois, College of Medicine, and Michael Reese Hospital:—Edward Edgar P. Seidmon

FOURTH-YEAR CLASS, 1932-33

Anslinger, Cyril Jacob, B.S.
Balding, Bruce Ned, A.B., B.S.
Ballin, Michael, B.S.
Baskin, Lester Sidney, B.S.
Bauer, Paul Barnabus
Becker, Maurice Loren, B.S.
Bedard, Robert Edward, A.B.
Bernstein, Arthur, B.S.
Bernstein, Harold Carroll, B.S.
Bernstein, Samuel Leonard, B.S.
Bezman, Harry S., B.S.
Birgerson, Alexander Oscar, B.S.
Bonnell, Ellis
Branch, Charles Elmer, B.S.
Brodsky, Harry
Brooks, George Freeman, A.B.
Burroughs, Donald Dinsmore, B.S.
Buyer, Morris
Cawthorne, Harold Jesse, A.B., B.S.
Chern, Bernard Victor, B.S.
Chobot, Jerry, B.S.
Christian, William Arnold, Jr., B.S.
Cirrincione, Francis Anthony, B.S.
Cohen, Jacob, B.S.
Cohen, Melvin Russell, B.S.
Collins, Robert Bruce, B.S.
Comess, Oscar H.
Conklin, James Oliver, B.S.
Cooper, Harry
Costigan, Clarence Stephen, B.S.
Coyne, Albert Donald, B.S.
Darnall, Fred Louis
Demski, Casimir, B.S.
Dickens, Helen Octavia
Dickinson, Clyde Allan
Dunn, Max M., B.S.
Dushkin, Milton Arnold, B.S.
Eddy, Corinne Schenck, Ph.B.
Ellis, Claude Irving, B.S.
Ellis, James Caleb, A.B.
English, Harlan, B.S.
Fara, Frank Joseph, Jr., B.S.
Farlander, Leland Kenneth, B.S.
Feinhandler, Emanuel, B.S.
Fox, Nathan S.
Francona, Anthony, B.S.
Freeman, Ralph Waldo, A.B., B.S.
Furby, Seeley B.
Gilbert, Sam Sigmund, B.S.
Gottlieb, Abraham Mitchell, B.S.
Gottlieb, Jacob D., B.S.
Green, Frank Bernard
Greenstein, Bernard Louis, B.S.
Gusinow, Nathan Richard, B.S.
Gustafson, Carl Julius, B.S.
Gustafson, Wesley Axel
Hanley, Deloss Reed, B.S.
Harris, James Frank

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*Service begins January 1, 1933.

Helfer, Lewis Michael
Hendricks, Clifford Alva
Henner, Robert
Herndon, Zelma Lamb, B.S.
Herrmann, Ross Edward, B.S.
Holtzman, Sam, B.S.
Hrdina, Joseph Louis, Ph.C.
Ingber, Nathan G., B.S.
Jacobs, William Francis, A.B., B.S.
Johnson, Eric Gunnar, B.S.
Johnson, Stephen Patrick, Jr., B.S.
Karpass, Victor Herbert, B.S.
Kazak, John Joseph, B.S.
Kearney, Cletus Timothy, B.S.
Kersey, George Thomas
Klotz, Maurice, B.S.
Klow, Sidney Deutsch
Knapp, Joseph Louis, B.S.
Koransky, David Sydney, B.S.
Krevitt, Julius Maurice, B.S.
Kruglick, Jack, B.S.
Larkin, Leo Carroll
Lawder, Homer Lee, A.B., B.S.
Levin, Samuel O.
Levine, Albert Joseph, B.S.
Levy, Jacob, B.S.
Lewis, Kenneth Elbert, B.S.
Lipnitzky, Samuel J.
Lipstein, Morris Lester, Ph.G.
Lustig, Julius, B.S.
McCune, Robert, Jr., B.S.
Malstrom, Bernard Edward
Manelis, Samuel, B.S.
Marks, Meyer B., B.S.
Matthei, Louis Philip, B.S.
Meyers, Isadore, B.S.
Miller, Harry Dudley, Jr., B.S.
Miller, Howard Russell, A.B., B.S.
Mishkin, Irving, B.S.
Moore, Ira Telford
Narodick, Philip Howard, B.S.
Neece, Gus Warlick
Nehf, Albert, B.S.
Parker, Eugene Madison
Patka, Joseph Aloysius, B.S.
Pohovey, Rose
Purves, Samuel Arthur, A.B.
Puumala Reino Hendrick, B.S.
Radner, David Benjamin, Ph.G., B.S.
Reed, William John
Rome, Sol, B.S.
Roos, Fred John
Rose, Gabriel, B.S.
Schubert, Abraham Boris
Schuman, Irving, B.S.
Schwerer, Herman Mayes, A.B.
Shinglman, Willard Edwin, B.S.
Silverstein, Norman, B.S.
Singer, Sol
Sladek, William Robert, B.S.
Smith, Gilbert Elden
Smith, Robert Archie
Speer, Ralph Edgerton
Stamler, Maurice, B.S.
Steiner, Edward Joseph, B.S.
Teton, Joseph B., B.S.
Thode, Paul Gustav
Turner, Samuel Julius
Urbanek, Frank Edward, B.S.
Vail, Harry Fleming, B.S.
Vesely, Albert Joseph
Vesely, Harry Charles
Voris, Frank Burkhart, B.S.
Wacker, Maxwell Nathan, B.S.
Waldman, Irwin Jerome, B.S.
Walker, Joseph Monroe, Jr., B.S.
Wallace, Marion Margaret, B.S.
Weatherly, James Alexander
Weihe, Arthur Rudolph, B.S.
Weisdorf, William, B.S.
Weiss, Morris
Welty, Jack Worthington, B.S.
Werbel, Ernest William, B.S.
Werch, Solomon Carl, B.S.
Westland, Richard Elroy, B.S.
Williams, Ernest Bernard, B.S.
Winsberg, James Alfred, B.S.
Wolfe, Albyn Garrett, B.A., B.S.
Zalar, Joseph Alfonso, B.S.
Ziedman, Irving, A.B., B.S.
Zimmerman, Lazar Eli, B.S.
Zimring, Allan Joseph, B.S.
Zolt, Nathan, B.S.

THIRD-YEAR CLASS, 1932-33

Adams, Joel E.
Agate, George Henry, B.S.
Albaum, Joseph, B.S.
Albers, Elmer Arnold, B.S.
Anderson, Edward Raymon, B.S.
Anderson, Glen C., B.S.
Aronow, Julius, B.S.
Aronson, Abraham, B.S.
Baker, Edwin Francis
Baker, Norman Ludlow
Bard, Eli, B.S.
Bard, Itzweire, B.S.
Baxter, Edward Stuart, B.S.
Bay, Alfred Paul, B.S.
Bedinger, Paul Lincoln, A.B.
Benford, Myron Clyde
Bepko, Marie Katherine, B.S.
Berg, Max, B.S.
Berger, Irving
Bernstein, Maxwell Robert, B.S.
Billings, Charles Arthur, A.B.
Blaurock, Melvin Frank Otto
Boarini, Edward Vincent
Bogue, Willis Julian, S.B.
Bomze, Edward J., B.S.
Bradley, Chester Dale
Brodkin, Meyer, B.S.
Brown, Charles Edward
Brown, David Joseph, B.S.
Bucher, Earl Clifford, A.B.
Burkhart, George Hickman
Burns, Herschel Smith, A.B.
Calosio, Richard Thomas, B.S.
Citron, Robert Ralph
Clarke, William A.
Cohen, Morton Irving
Cohen, Sidney Sol, B.S.
Cooper, Arthur Edwin
Coseglia, Robert Paul
Crystal, Harry Myer, B.S.
Deardorf, Frank Benson, B.S.
DeBourcy, Harry C.
DeLong, Edward E.
Dillman, Lucius M.
Elster, Ben Burt, B.S.
Farinacci, Maurice Graziano
Feinhandler, Harold Samuel, B.S.
Fisher, Marshall Louis, B.S.
Fox, Morris E.
Freda, Vincent, B.S.
Freeman, John Joseph
Fricke, John William
Fruin, Leon Thomas, B.S.
Fullerton, Willard Wilson, A.B., B.S.
Gano, Avison
Gernon, William, B.S.
Glenn, Robert Wagner
Goldstein, Hyman Harry, B.S.
Gordon, Hyman Samson, B.S.
Grennan, Henry Arthur, B.S.
Gustafson, Joseph Goddard, B.S.
Hakala, Laurie John

Hall, Henry Russell, B.S.
Hanelin, Henry Arnold
Harrold, Jesse Freeland
Hawkins, Kyle C.
Hershey, Noel John, B.S.
Hoffstadter, William, B.S.
Holoffe, Clarence P., B.S.
Holstein, Theodore, B.S.
Holub, Louis Alois, B.S.
Huffman, John Francis, B.S.
Hurwich, Jerome Jacob, B.S.
Jacobs, Maurice Bernard, B.S.
Johnson, Herman Roy
Johnson, Titus Maurice, B.A., B.S.
Kahn, Harold, B.S.
Kaiz, Seymour Pass
Kaplan, Benjamin
Kaplan, Morris, B.S.
Keigwin, Charles G., B.S.
Kleiman, David, B.S.
Koza, John Louis
Kraft, Robert Eugene, B.S.
Krakower, Irving, B.S.
Kuczewski, Frank Henry
Langner, Mitchell Edward
Lapin, Morey, A.B., B.S.
Lederman, Irving Harold
Lehwald, Carl James, B.S.
Lemon, Robert George, B.S.
Levin, Milton, B.S.
Lockwood, William Wayne, B.S.
Lome, Daniel
Maley, William Forrester, B.A., B.S.
Marshall, Glenn Robert, B.S.
Martin, Robert Edgar
Mathis, John Haley, B.S.
Meisenheimer, Harold
Menke, Wilbur June, Jr., A.B., B.S.
Miller, Walter Ulysses, B.A.
Mohlenbrock, William Dean
Mouzakeotis, Theodore C., B.S.
Murphy, Iva Glene, B.A.
Nechtow, Mitchell Joseph
Nelson, Thomas Finn, B.S.
Nierenberg, Harry Hyman, B.S.
O'Brien, Paul James, B.S.
Ocasek, William, Jr.
Oehler, William Frederick
Okner, Henry Bernard, B.S.
O'Malley, James Emmett, B.S.
Parker, Forest Caleb
Pass, Ben
Piser, Alfred Lionel
Richter, Irving Bernard, B.S.
Rightman, Irving
Roberson, William Victor, B.S.
Roberts, Brockway, B.S.
Rosen, Ralph Eugene, B.S.
Rosenbloom, David, B.S.
Rosenstiel, Henry Carl, B.S.
Roth, John Bernard, B.S.
Row, Charles Francis, A.B., B.S.
Rubisoff, Reuben, B.S.
Scheffler, Milton Morris, B.S.
Schoolman, Joseph G., A.B.
Schulz, Harry, B.S.
Schwartz, Benjamin
Schwartz, Harry Robert, B.S.
Scully, John Chapell
Seaton, Ralph Millard
Shagam, Robert Mayr, B.S.
Shinall, Harold Louis, B.S.
Simon, Martha Frances
Slepyan, Albert H., B.S.
Smerz, Anton, B.S.
Telford, Leroy Thomas
Thomas, Clyde Oral
Thomsen, Philip Gordon
Tulsky, Alex Sol, B.S.
Wachs, Leonard, B.S.
Wachsman, David Victor, Jr.
Weinberg, Julius
Weis, Edward H.
Widerborg, Robert E.
Winn, John Paul, B.E.
Wittenberg, Carlton Emil, B.S.
Young, Warren William
Zeiter, Walter Jacob, B.S.

SECOND-YEAR CLASS, 1932-33

Adland, Samuel Alfred
Appel, Ben
Ash, Alfred Stone
Baer, Emily
Barys, Harold Joseph
Becker, Oscar Jacob
Beecher, Merrill Charles
Berkovitz, Robert David
Blaufuss, Armin Louis, Ph.C.
Bowers, Daniel Edward
Brotman, David Marvin
Carr, Herman
Carter, Robert V.
Cihak, Joseph Frank
Cohen, Isadore Hymen, B.S.
Coleman, Clement Clark
Colyer, George Edward, A.B.
Dobin, Norman B.
Deutsch, Nathan Solomon
Dubofsky, Sidney Harvey
Edel, Frank Wayne, A.B.
Faden, Gerson, B.A.
Foulke, Lawrence Edward, B.S.
Friedenberg, Robert, A.B.
Gallati, Cyril M.
Geever, Irving Francis
Gilman, George, A.B.
Ginsburgh, Harvey Enoch
Glassman, Jack A.
Globerson, Irwin
Goldberg, Aaron Louis
Goldfine, Manuel
Goldstein, Samuel M.
Gordon, Marion Lee
Gorodazky, Abraham
Greco, Vincent James
Grossman, Maurice O., A.B.
Gunther, Aaron
Hack, Rudolph William, A.B.
Hahn, Jacob Francis, B.S.
Harris, Zigmore
Hassen, Irving
Haverstock, Richard Teal
Hawkes, James Henry
Hellrung, Cecilia Marian
Hepner, Paul E.
Hill, George Ray
Howard, Henry Sargent
Hughes, Kenneth Franklin
Hunkel, Victor H., Ph.B.
Ireneus, Carl, Jr., A.B.
Jamison, Garland Uriah, B.A.
Johnson, John Hick
Josephson, Harry
Kaeiser, William Henry
Kalal, Elmer J.
Kaminskas, Joseph T.
Karel, Jack, B.S.
Katz, Charles, B.S.
Kaufman, Jerome D.
Keller, Robert Stephen
Keppleman, George Kieve
Klein, Adelbert Herman
Knudson, William Nelk, A.B.
Koch, Harold Jay, B.S.
Kravtsow, George Louis
Krieger, Sherburne
Kunda, Emerson C., A.B.

Kurth, Milton Elmer
Kweder, Albert Thomas
Lane, Paul Lilja, D.D.S.
Lang, Herbert
Lazar, Harry, B.S.
Lerner, Louis Samuel, B.S.
Levine, Sydney, B.S.
Littig, John James
MacEachern, Katherine H., B.S.
Makovsky, Irwin Harry
Marks, Harold Louis
Mason, Aaron Samuel
Messman, Lorell Edward
Mitchell, Joseph Rudolph
Morrison, Ira Robert, A.B.
Murphy, James Joseph
Nelson, Charles Arthur
Nieder, Sam
Nix, Winston K.
Olson, Franklin Arnold, B.S.
Parke, John
Platt, Matthew
Plotkin, Oscar Mandel
Price, Harold, Ph.B.
Price, Leonard
Raider, Joseph
Reynolds, James Stedman
Rhea, Keith
Ricketts, Fred Jasper
Ritter, Joseph
Rooth, Sidney Sigmund
Rosen, Benjamin Bernard
Rosen, Irving Isadore, B.S.
Rosenberg, Jack
Rosenberg, Samuel William
Rosenthal, Irving Hyman
Sachs, Mandel
Salberg, Seymour
Sassaman, Coleta, B.S.
Schettler, Robert Edward
Schiller, Herbert A., Ph.C.
Schilsky, John Lavine
Schmidhofer, Ernst
Schneider, Kenneth Fosnes
Schwade, Leonard Jerome
Seifert, William Frederick
Shimkus, Alexander Joseph, B.S.
Shulruff, Harry I.
Siegfried, Joseph Howard
Sievers, Jerome Joel, Ph.G.
Sigler, Robert James
Silbert, David
Silvert, Pasche
Slaughter, Danley Philip
Slavin, Manuel, A.B.
Smith, Clarence William, Ph.C., Ph.G.
Sondag, Roger Francis
Sorenson, Raymond Elmer
Spiller, Adelbert L.
Steer, Albert Elon
Stein, Albert Frank
Stevenson, Richard Vawter
Stout, Samuel Lloyd, Ph.C.
Svetanov, Vladimir Christov
Sweitzer, Caesar, B.S.
Tasch, Aloysious Felix
Tappan, Edward A., B.S.
Taubert, Russell Kenneth
Tesar, Frank Joseph
Tinsley, Milton
Wagner, Jack
Waisman, Morris
Walton, Joseph Eugene
Weissman, Leonard
White, Raymond Benedict, A.B.
Wunsch, Charles LeRoy
Young, Francis Joseph

FIRST-YEAR CLASS, 1932-33

Akkeron, Alfred F.
Alion, John Joseph
Apfelberg, Herbert Jack
Argentar, Albert Harry
Ashline, George H., A.B.
Backer, Meyer, Ph.C.
Baumann, Milton Charles
Berman, Arthur
Berman, Louis
Bernstein, Sidney Morris
Bielinski, Brunon, A.B., B.S.
Bielinski, Czeslawa
Bielski, John Anthony
Bluefarb, Samuel Mitchell
Bohr, George William
Boland, John Dempsie
Boros, Harold Henry, B.S.
Brodsky, Abraham
Bucher, Ray Elwood
Bunchman, Lester Paul
Burack, Samuel
Burdick, Maurice Saul, B.S.
Burns, Edward Maurice
Cascino, Joseph Peter
Cassidy, Alfred Hilton, B.S.
Cecil, John Goolsby
Chapman, Ralph R.
Cherry, Louis L.
Chesne, Holia E.
Cinabro, Louis
Coggeshall, Chester
Cohen, Bernard Louis
Cutler, John Lewis
Cutler, Meyer Merle
Darling, Duane Delbert, B.S.
Dearborn, Robert Fuller
Decker, Sam
Diamond, Sydney, B.S.
Dorton, Ellsworth
Einhorn, Benjamin, B.S.
Epstein, Milton
Faigle, Ernest Theodore, Ph.C.
Feldman, Paul Edward, B.S.
Ferrell, Robert V.
Filip, Joseph H.
Finkelstein, Jack
Fleischer, Jacob, B.S.
Fordon, Leona R.
Fox, Robert
Freeman, Alton
Friedman, Fred
Friedman, Harold S., B.S.
Fuqua, Harold Boyd, A.B.
Gessler, Eugene Warren
Glassman, Max
Goldstein, Alfred Joseph
Goran, Joseph Robert
Gordon, Orville Eugene
Goshgarian, Gasper Asa
Green, Abraham D.
Greenberg, Morris
Grossblat, Jacob
Grossman, Jack William
*Grossman, Sheftal
Gunn, Samuel Albert
Hanson, John Olaf
Harms, George Melvin
Havlicek, John A.
Heritage, Wade Frederic
Herzog, Paul
Hickman, Frank Snowden, A.B.
Hirschtick, Allan Bonner
Hlavacek, Louis Joseph, B.S.
Hoffenberg, Nathan Leonard

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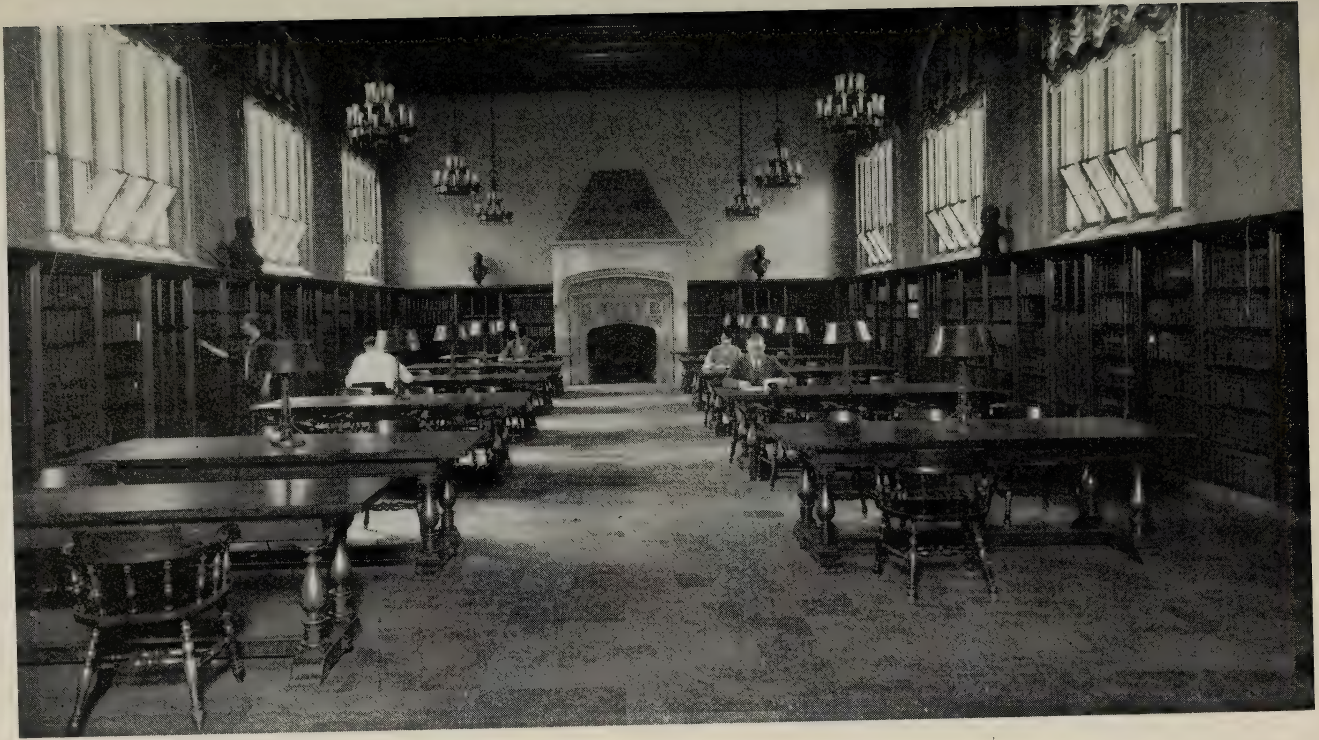
*Deceased.



Main Reading Room of the Library

Library and Passage Way to Hospital With New Laboratory Building in Background

Horsman, Maurice Thomas
Horst, Elfriede
Huff, Harold Dale
Hutchison, William Addison
Jacks, Francis Marion
Jacobs, Henry Joseph
Jacobson, George J.
Janicki, Natalia Julia
Kahn, Ernest Arthur
Kaiser, Jerome
Kaplan, Henry
Kaplan, Leo Abraham
Karelitz, Benjamin, B.S.
Kavka, Selig Joel
Kelly, Delbert Cleo
Keyes, John Wesley
Klein, Alfred Joseph
Klein, Ernest Sol
Klein, Jerome B.
Kleitsch, William Philip
Knanishu, Jacob
Krause, Charles Donald
Kreft, Alfred John
Kuhlman, Ralph
Kurvinen, Corinne, B.S.
Kushner, Mayer
Kuznitsky, Meyer
Kwint, Joseph Arthur
Lander, Herman Boris
Lapid, Gilbert George
Lasinsky, Harry
Latta, Philip Rankin
Lawrence, Fred Hunter, A.B.
Lawson, Edwin H., A.B.
Levan, Arthur Bernard
Levenson, Joseph Milton
Levin, Louis
Levisohn, Milton J.
Levisohn, Roland M.
Liebman, Samuel
Ludmerer, Sol
McCormack, Maurice Lester
McVey, Emerson King
Mandel, Meyer
Marcus, Samuel
Mater, James Wynne, B.S.
Matzkin, Lloyd Louis
Maydet, Simon J.
Miller, Nathan Harry
Mooney, Felix Patrick
Motel, William Goodrich, A.B.
Murphy, Thomas Aloysius
Neuchiller, Bernard Benjamin
Noto, Samuel Charles, B.S.
Olenick, Everett
Overholser, John Dwight, A.B.
Palmer, Edward, Ph.B.
Palmer, John S.
Peal, Leonard
Perlmutter, Louis Judea
Perrella, Edward Joseph
Peterson, Arthur Karl, B.S.
Petkus, Antonie Shirley
Petru, Betty Rose, B.S.
Poska, Theodore Algird, B.S.
Potter, George Vernon
Premuda, Franklyn Fred, A.B.
Quenzer, Fred August
Radde, Bernard C., A.B.
Reeser, Wayne
Reich, Charles Harry
Reinglass, Samuel S.
Renaud, Oliver Vernon
Retondo, Lucy Teresa Earhart
Robinson, Stanley Everett
Rose, Jordan Waldemar
Rosenblatt, Albert Hessel
Rothschild, Robert Ruby
Rubin, Herbert Edgar, B.S.
Sawyer, Preston Walker
Scannell, Margaret Mary
Schlan, Louis
Schreiber, Manuel
Schreiber, Samuel Louis, Ph.C.
Schumacher, Edward Emil
Schwartz, Joseph, B.S.
Segenreich, Harry, B.S.
Seifert, Harry Lewis
Shapiro, Arthur Louis
Shelley, Joseph Bernard
Shmigelski, Irene
Slaw, Adam
Stastny, John Wallace, B.S.
Steinberg, David William
Steinberg, Harold
Steinberg, Hyman Sydney
Stern, David Henry
Tavris, Hyman
Taylor, John Richard
Telser, Stanley Edward, A.B.
Trotter, Jay Donald
Tuchow, Irving
Turetsky, Isadore
Udesky, Hymen Leon
Varraveto, Anita
Wade, Chester E.
Walsh, William Stanley
Wasick, Milan Michael
Weil, Leonard L.
Weinberg, Jack
Wyngarden, Clarence Benjamin, B.S.
Yanovitz, Joseph
Young, Tommy Richard, B.S.
Zeiter, Martin Jacob
Zeldes, Mary, A.B.
Zelik, William Bernard, B.S.
Ziffren, Sidney Edward
Zimont, Raymond Dumont

UNIVERSITY OF ILLINOIS
THE GRADUATE SCHOOL

GRADUATE COURSES IN MEDICINE AND DENTISTRY

Departments of Anatomy; Dental Histology; Dental Therapeutics; Dermatology; Juvenile Behavior, Larnygology, Rhinology and Otology; Medicine; Metallurgy; Neuropsychiatry; Obstetrics and Gynecology; Ophthalmology; Oral Surgery; Orthodontia; Orthopedics; Pathology and Bacteriology; Pediatrics; Pharmacology; Physiological Chemistry; Physiology; Surgery.

Announcement of
Summer Quarter of 1933, June 10-August 30
and Session of 1933-34

GRADUATE SCHOOL CALENDAR

SUMMER SESSION

1933

June 10, Saturday	Registration Day Summer Session begins
July 4, Tuesday	A legal holiday
August 7, Monday, 12 m.	Last day for candidates for degrees in August to deposit theses

FIRST SEMESTER

1933

September 18, Monday	Last day for candidates for master's degrees in October to file applications for degrees and to deposit theses
October 4-5, Wednesday, Thursday	Registration Days
November 29, Wednesday, 12 m.	Thanksgiving recess begins
December 4, Monday, 8 a.m.	Instruction resumed
December 23, Saturday, 12 m.	Holiday recess begins

1934

January 4, Thursday, 8 a.m.	Holiday recess ends
January 15, Monday, 12 m.	Last day for filing applications for masters' degrees to be conferred in February, and last day for candidates for masters' and doctors' degrees in February to deposit theses

SECOND SEMESTER

February 7-8, Wednesday, Thursday	Registration days
March 29, Thursday, 6 p.m.	Easter recess begins
April 2, Monday, 8 a.m.	Easter recess ends
May 1, Tuesday	Last day for filing applications for masters' degrees to be conferred in June
May 15, Tuesday	Last day for filing application for masters' degrees to be conferred in August
May 15, Tuesday	Last day for candidates for doctors' degrees in June to deposit theses
May 28, Monday	Last day for candidates for masters' degrees in June to deposit theses
June 8, Friday, 10:30 a.m.	Annual Commencement

THE GRADUATE SCHOOL

THE EXECUTIVE FACULTY[1]

1932-33

HARRY WOODBURN CHASE, Ph.D., L.H.D., LL.D., PRESIDENT OF THE UNIVERSITY

ARTHUR HILL DANIELS, Ph.D., *Professor of Philosophy and Dean of the Graduate School*

ROGER ADAMS, Ph.D., *Professor of Organic Chemistry*

CLARENCE ARTHUR BERDAHL, Ph.D., *Professor of Political Science*

ERNEST BERNBAUM, Ph.D., *Professor of English*

EDWARD HERBERT CAMERON, Ph.D., *Professor of Educational Psychology*

ARTHUR BYRON COBLE, Ph.D., *Professor of Mathematics*

DAVID JOHN DAVIS, M.D., Ph.D., *Professor of Pathology and Dean of the College of Medicine*

HEBERT FISHER MOORE, M.M.E., D.Sc., *Research Professor of Engineering Materials*

REXFORD NEWCOMB, A.M., M.Arch., A.I.A., *Professor of the History of Architecture*

HENRY PERLY RUSK, M.S., *Professor of Cattle Husbandry*

RAYMOND STRATTON SMITH, Ph.D., *Professor of Soil Physics*

NATHAN AUSTIN WESTON, Ph.D., *Professor of Economics*

ARTHUR CUTTS WILLARD, B.S., *Professor of Heating and Ventilation*

CHARLES ZELENY, Ph.D., *Professor of Zoology*

STANDING COMMITTEE ON GRADUATE WORK IN MEDICINE AND DENTISTRY

DAVID JOHN DAVIS, Ph.D., M.D., *Chairman*

FREDERICK BOGUE NOYES, A.B., D.D.S., Sc.D.

HUGH ALISTER MCGUIGAN, Ph.D., M.D.

CARL ARTHUR HEDBLOM, M.D., Ph.D.

WILLIAM HENRY WELKER, Ph.D., *Secretary*

THE TEACHING FACULTY[2]

1932-33

DAVID JOHN DAVIS, Ph.D., M.D., *Dean of the College of Medicine, Professor of Pathology and Bacteriology and Head of the Department, and Director of Graduate Work in Medicine*

WILLIAM HENRY WELKER, Ph.D., *Professor of Physiological Chemistry and Head of the Department*

HUGH ALISTER MCGUIGAN, Ph.D., M.D., *Professor of Pharmacology, Materia Medica and Therapeutics and Head of the Department*

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[1] The administration of the Graduate School is conducted by the Executive Faculty, appointed from year to year by the President on nomination of various departments and recommendations of the Dean of the Graduate School.

[2] The Teaching Faculty includes all those who at any time give courses of strictly graduate character. Such courses are accepted for major credit and are numbered one hundred and upwards. For the present such courses are offered by the above faculty.

OTTO FREDERICK KAMPMEIER, Ph.D., M.D., *Professor of Anatomy and Head of the Department*

FREDERICK BROWN MOOREHEAD, M.S., D.D.S., M.D., *Professor of Oral and Plastic Surgery and Oral Pathology and Head of the Department*

WILLIAM F. PETERSEN, M.D., *Professor of Pathology and Bacteriology*

FREDERICK BOGUE NOYES, A.B., D.D.S., Sc.D., *Dean of the College of Dentistry, Professor of Orthodontia and Head of the Department*

OLAF BERGEIM, Ph.D., *Associate Professor of Physiological Chemistry*

ALBERT BACHEM, Ph.D., *Professor of Physiology*

FREDERICK HOWARD FALLS, B.S., M.S., M.D., *Professor of Obstetrics and Gynecology and Head of the Department*

CARL ARTHUR HEDBLOM, M.D., Ph.D., *Professor of Surgery and Head of the Department*

JULIUS HAYES HESS, M.D., *Professor of Pediatrics and Head of the Department*

FRANCIS EUGENE SENEAR, M.D., *Professor of Dermatology and Head of the Department*

~~CHARLES SPENCER WILLIAMSON,[1] M.D., *Professor of Medicine and Head of the*~~ *Department*

LLOYD ARNOLD, M.D., *Professor of Bacteriology and Preventive Medicine*

WALTER JOHN RICHARD CAMP, M.D., Ph.D., *Associate Professor of Pharmacology and Therapeutics*

JAMES ROY BLAYNEY, B.S., D.D.S., M.S., *Professor of Therapeutics, Head of the Department in the College of Dentistry and Associate Director of the Infirmary*

FRANKLIN P. REAGAN, A.B., Ph.D., *Associate Professor of Anatomy*

PAUL LOUIS SCHROEDER, B.S., M.D., *Professor of Criminology, Director of the Institute for Juvenile Research and State Criminologist*

HAROLD DOUGLAS SINGER, M.B., M.D., *Professor of Psychiatry and Head of the Department of Neuropsychiatry*

HENRY BASCOM THOMAS, B.S., M.D., *Professor of Orthopedics and Head of the Department*

GEORGE BORIS HASSIN, M.D., *Professor of Neurology*

ANDREW W. BROWN, A.B., M.A., Ph.D., *Chief Psychologist*

MAURICE B. VISSCHER, B.S., M.S., Ph.D., *Professor of Physiology and Head of the Department*

ISAAC SCHOUR, B.S., D.D.S., M.S., Ph.D., *Associate Professor of Histology*

ROBERT WOOD KEETON, A.B., M.S., M.D., *Professor of Medicine* and [illegible]

ERNST GELLHORN, M.D., Ph.D., *Professor of Physiology*

ISADORE PILOT, B.S., M.D., *Associate Professor of Pathology and Medicine*

HENRY GEORGE PONCHER, M.D., *Assistant Professor of Pediatrics*

CARROLL LAFLEUR BIRCH, B.S., M.S., M.D., *Assistant Professor of Medicine*

ARTHUR GIDEON COLE, B.S., Ph.D., *Assistant Professor of Physiological Chemistry*

ERIC OLDBERG, B.S., M.S., M.D., Ph.D., *Assistant Professor of Neurological Surgery*

GERHARDT VON BONIN, M.D., *Assistant Professor of Anatomy*

CHARLES BERNARD PUESTOW, B.S., M.S., Ph.D., M.D., ~~*Associate*~~ *in Surgery*

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[1] Deceased February 15, 1933.

Richard Herman Jaffe, M.D., Professor of [illegible]

GRADUATE WORK IN MEDICINE AND DENTISTRY

ADMISSION

Admission to the Graduate School may be granted to graduates of institutions whose requirements for the bachelor's degree are substantially equivalent to those of the University of Illinois, and to applicants from other institutions approved by the Executive Faculty, as hereinafter provided. *Admission to the Graduate School does not, however, imply admission to candidacy for an advanced degree, and gives no right or claim to be so admitted. Such candidacy is determined by the faculty after the student has demonstrated by his work here, for from two to five months, that he has ability to do major work of graduate character. A mere accumulation of "credits" or "grades" is not sufficient.*

Admission to graduate courses may be granted only to those who have had the requisite undergraduate work in those courses or departments. But a student of mature age who satisfies the Director and the department concerned of his ability to pursue graduate work in a given line may be enrolled in particular graduate courses, without reference to a degree, and permitted to carry on such study or investigation under the direction of a department of the University as the department shall recommend and the Dean approve.

Application blanks for admission may be secured from the Secretary of the Committee on Graduate Work in Medicine and Dentistry. Every applicant must submit with his application for admission an official transcript of his college record.

REGISTRATION AND PROGRAM OF STUDY

The following regulations concerning registration and program of studies are laid out primarily for first-year students. Second-year and third-year graduate students fill out their programs irrespective of the unit value of courses, according to their needs, under the advice of their instructors.

Registration.—Each graduate student must register at the beginning of each semester.

The registration of a new student may be accepted at any time provided the student is prepared to take up courses actually under way. Credit towards the fulfillment of the residence requirement dates, however, from the time of registration and not from the beginning of the semester or year in which the student enters. Registration will not be permitted later in the year than April 1, except in the case of students who expect to continue through the summer session, or are returning to complete a year's work which has been interrupted by unavoidable circumstances. *No student is permitted to attend any University course in which he is not registered.*

The first registration, or that on entrance, is permitted only after the student's application for admission to the Graduate School, setting forth his educational attainments, has been duly approved.

Seniors and Graduate Study.—If at the beginning of the second semester of his senior year a student, who has been in residence at least one year, is within five hours of a bachelor's degree, he may be permitted to register for courses which may count for residence for a master's degree; provided his program does not require more than twelve formal class, lecture, or laboratory exercises a week, and is approved by the Dean at the time of registration. Only students of excellent record will be allowed this privilege.

Failures.—A graduate student who fails in any course in his major subject cannot secure his degree in the same year in which the failure occurred. No condition examinations are given graduate students.

Students on the Staff.—Assistants and others on the University staff who undertake to do graduate work are permitted to take an amount of work determined by the terms of their employment. Such a student, if required by his engagements to teach more than five classes a week or to have laboratory work or supervision exceeding ten hours a week, may not receive his master's degree at the end of one year, nor his doctor's degree at the end of three.

Residence and Work Done Elsewhere.—Continuous residence and study are required of all members of the Graduate School, unless they are granted leave of absence by the Director, upon recommendation of the professor in charge of their work, for the purpose of carrying on elsewhere studies or investigations in the line of work for their degrees.

Members of the staff who have done graduate work in approved institutions elsewhere may secure credit not to exceed four units towards the master's degree by passing examinations in that work. They may complete the work for the degree by securing at least four units more while registered in the Graduate School for not less than one academic year.

Withdrawal.—If after registration a graduate student wishes to withdraw from any course or to add other work, he must first secure the necessary papers from the Director's office. If he wishes to withdraw from the University he must get clearance papers at the Director's office.

MASTERS' DEGREES

Character of Master's Degree.—The master's degree conferred depends upon the character of the bachelor's degree. The usual practice is that A.M. shall follow A.B., and that M.S. shall follow B.S. However, this practice may be departed from in cases where the undergraduate course of study was of a kind for which some reputable institutions in this country give A.B., while others give B.S.

Amount of Work Required.—Candidates for the degree of Master of Arts or Master of Science are required to do at least one full year's work in residence, including a thesis. By this is meant from four to five unit courses each semester, or their equivalent. A unit course is one which requires ten hours of time a week through one semester, or fifteen hours of time a week through the summer quarter of twelve weeks, irrespective of the mode of distribution of that time in class work, laboratory work, and private study. Four such courses or their equivalent constitute a full *minimum* program for one semester, and eight such courses, or their equivalent, constitute the *minimum formal* year's work accepted for a master's degree. Only first-rate students are permitted to secure a degree with this minimum program.

Unless otherwise permitted, every student must take each semester at least one course open to graduate students only (courses numbered 100 and upwards).

In the first year of his graduate study each student is required to attend a minimum of four formal class, lecture, or laboratory exercises a week. In no case is he permitted during his course to attend more than twelve a week, without permission.

Grades.—Students' work is graded in five classes, A, B, C, D and E. The last indicates a failure. D indicates unsatisfactory, though passable, work.

A student who receives two units of a grade below B during his first year of graduate work may not complete the first year of residence by carrying the minimum program of eight units for the master's degree. Three units of a grade below B disqualify a student as a candidate for a degree.

A failure or absence from examination in any course may prevent the conferring of the degree; and, as already indicated, failure in any course in the major field precludes the conferring of the degree in the same year.

Majors and Minors.—A candidate for a master's degree may do all his work in one subject, or he may select a major and one minor, or a major and two minors. A major or a minor denotes the field of knowledge of a department, or such part thereof as constitutes a separate and independent division of that field. For a master's degree a major is at least half the work, or a minimum of four units, for one year. Less than one unit may not be counted as satisfying the requirements of a minor without the approval of the department concerned.

Foreign Language.—The ability to use one or more of the modern languages ordinarily studied in the undergraduate curriculum is expected of all candidates for the master's degree, and in some lines of study is required. No student will be permitted to acquire residence toward the second year for the doctorate until he has passed the preliminary examination in at least one of these languages. (This regulation becomes effective in September, 1933.)

Master's Thesis.—Each candidate for a master's degree is required to present a thesis on some subject approved by the professor in charge of his major work and the Executive Faculty of the Graduate School. Such approval, except in the case of students working for master's degrees in summer sessions only must be secured and the subject of the thesis filed at the office of the Graduate School not later than the beginning of the second half year of residence. The requirement of a thesis may be waived, however, upon the recommendation of the head of the department in which the student is doing his major work and the approval of the Director, provided application to waive the thesis is made at the time for announcing thesis subjects. A student excused from writing a thesis must replace it with additional courses of instruction.

No one will be excused from writing a thesis unless one-half of his program of studies consists of courses numbered 100 and upwards.

The thesis required from a candidate for a master's degree ordinarily will demand one-fourth of the student's time and may not exceed one-third of it. The thesis must be typewritten, on "thesis-paper,"[1] and the title page must be printed. The thesis in its final form, together with a certificate of approval by the proper officer, must be sent by the professor in charge to the Dean's Office at least two weeks before the date on which the degree is to be conferred. No article prepared for another use, or previously published, will be accepted as a thesis.

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[1] No other will be accepted by the Dean. "Instructions for the Preparation of Theses" may be obtained at the Secretary's Office, Room 338, Research Laboratory and Library Building.

Under proper conditions a student may be permitted to complete the last fourth of his work, if devoted to his thesis, under leave of absence for a period not to exceed the equivalent of two semesters. To get such permission the student must have secured proper credit for at least six units; must petition for the privilege; must submit to the Dean an outline of the proposed investigation, approved by the head of his major department; and must submit satisfactory evidence that adequate facilities are available to him at the place where he intends to do the proposed work. Approval on all these points must be obtained one collegiate year before the thesis is due. Immediately following approval the student must register and pay an incidental fee of $20.00.

Applications for Degrees.—Each candidate for the degree of Master of Arts or Master of Science shall file an application for the degree on a blank provided for the purpose, to be had at the Secretary's office. For the dates of application and deposition of theses, consult the calendar at the beginning of the bulletin.

THE DEGREE OF DOCTOR OF PHILOSOPHY

Major and Minor Subjects.—A member of the Graduate School who desires to become a candidate for the degree of Doctor of Philosophy is required to pursue a major subject in the department in which his research lies. He is also required to choose one minor subject, or he may choose two. If one minor only is chosen it must be taken in a department of study other than that of the major, and credit for it may be earned by work representing not less than four units, or one-sixth of the total residence required for the doctorate. If two minors are chosen, one must be a subject closely related to the major. With the approval of the adviser it may be a division of the major field of study. The other minor (not less than two units) must, in that case, be taken in a department of study other than that of the major.

Except by special permission of the Dean the preliminary examination in major and minor subjects may not be taken until the minor work has been done.

Method of Computing Residence.—Credit for a full year of graduate work means that the student has during that time devoted all his working time and energy to study of a graduate grade. After the first year of residence credit is not recorded in units, and there is no fixed correspondence between credit and course as in undergraduate work. Thus it is possible for a second-year student to devote all his time to one course and his research; and for a third-year student to devote all his time to his research work alone.

Period of Study.—The *minimum* period of study required for securing the degree of Doctor of Philosophy is three years, during which the student is required to devote all his working time to his studies. All three years must be spent in residence at some accredited educational institution, and either the first two or the last one of the three must be spent at the University of Illinois. The degree is conferred, however, not for residence, during a certain period, but for scholarly attainments and power of investigation, as proved by theses and examinations.

Work Done in Other Universities.—Credit for graduate work done in other universities is not "transferred." However, it may be accepted on examination

as equivalent to resident work at the University of Illinois, provided the institution in which it was done is of high standing.

PRELIMINARY EXAMINATIONS

A. *In Languages.*—The student will be required to demonstrate his ability to read French and German and other languages needed in his work. No student will be permitted to acquire residence towards the second year of graduate study until he has passed the examination in at least one of these languages. (This regulation becomes effective in September, 1933.) Both the examination in French and that in German must be passed before the student is admitted to the preliminary examination in his major and minor subjects.

B. *In Major and Minors.*—Towards the end of his second year of study, or by special permission, at the beginning of this third year (not later than the first Saturday in October), a student who wishes to become a candidate for the degree must submit to a preliminary examination. This examination is intended to test the student's knowledge of the fields of his major and minor subjects of study only. It is partly oral, and may be wholly so.

The student will not be admitted to his preliminary examination until the faculty is satisfied that he has finished substantially the equivalent of two years' graduate work. He must do a full year's graduate work between his preliminary examination and the completion of his work for the doctorate.

FINAL EXAMINATION

At least two weeks before the time when the degree is conferred, the candidate must submit to a final examination, given by a committee appointed by the Dean. This examination is primarily on the research work of the student, as embodied in his thesis, but is not confined to that. It extends to the whole field of study of the candidate. It will not be confined to the courses which the candidate has attended in the University of Illinois only, if he has done part of the work elsewhere; nor even to the field covered by the courses, specifically taken in this or other universities; but will be so conducted as to determine whether the candidate has a satisfactory grasp of his major subject as a whole, and a general acquaintance with the fields of knowledge represented by his course of study.

The final examination may not be divided. The examination must be taken all at one time though it requires several sessions.

If after having passed his preliminary examination, he fails in the third year of his study to meet the expectations of the professors in charge of his work, or in any way fails to maintain the standard of scholarship and power of research expected of him, he may be refused admission to the final examination.

Other Examinations.—Before the candidate is admitted to the final examination and the defense of his thesis, he may be required to take any other examination, oral or written, that is thought proper by the various departments in which he has studied.

The above examinations are in addition to those in the courses for which the student is registered. These must be taken at times for which they are set in the examination schedule.

Thesis.—The power of independent research must be shown by the production of a thesis on some topic connected with the major subject of study. The candidate is expected to defend his thesis or dissertation before the members of the faculty, or as many of them as may wish to question him about it, in connection with his final examination.

The subject of the thesis should be chosen not later than the end of the second year of residence and must be submitted for formal approval by the faculty not later than six weeks from the beginning of his third year of residence.

A typewritten copy of the complete thesis, *on thesis paper,* and in final form must be deposited in the office of the Dean for presentation to the examining committee not later than two weeks prior to the final examination, and not less than four weeks before the time when the degree is conferred. At the same time, the candidate must deposit with the Dean a manuscript of the essential part, or an abstract, or a digest of his thesis, in condition for publication at a cost not to exceed seventy-five dollars ($75). The manuscript must be sufficient to show the method followed, the evidence used and the conclusions reached in the investigation, and must bear the approval of the department and the Executive Faculty of the Graduate School.

The candidate must pay to the Comptroller before graduation the sum of seventy-five dollars ($75) out of which the University will print at least one hundred copies of this manuscript for circulation by the University, unless the thesis entire or in abbreviated form is published by the author or is accepted for publication by a standard journal or publisher within a year from the date of graduation. In the latter event, and after one hundred copies have been presented to the University by the writer, the cash deposit shall be returned to him.

The typewritten and printed forms of the thesis must comply with the regulations given in "instructions for the preparation of masters' and doctors' theses," copies of which may be obtained at the Secretary's office.

Fees and Expenses.—Except as noted below, graduate students in medicine and dentistry pay fees as follows:

Matriculation fee	$10.00
Incidental fee (summer quarter)	20.00
Students not residents of Illinois pay an incidental fee of	30.00
Incidental fee (semester)	35.00
Students not residents of Illinois pay each semester an incidental fee of	62.50
Diploma fee	10.00

For the graduate course in orthodontia in preparation for the practice of orthodontia as a specialty, the yearly tuition fee is $600, one-third payable at the beginning of the second semester in February, at which time the course opens, one-third in June at the beginning of summer school, one-third in October, at the beginning of the first semester.

All graduate students who have not matriculated as undergraduates at the University of Illinois pay the matriculation fee on entrance.

All graduate students pay the diploma fee on being recommended for their degrees.

LIBRARY

Adequate library facilities are essential to the prosecution of graduate work and research. In the library may be found files of journals, monographs, separates, and standard texts supplying nearly every need.

GRADUATE COURSES IN MEDICINE AND DENTISTRY

ANATOMY

101. *Histogenesis and Experimental Morphology.*—Cytological and morphological changes in the organism which are directly correlated with normal processes, such as reproduction, differentiation, nutrition, growth, variation, regulation, regeneration, activity, secretion, rest, fatigue, senility. One or two units. Professor KAMPMEIER, Associate Professor REAGAN

103. *Individual Research in Embryology and Histogenesis.*—One or two Professor KAMPMEIER, Associate Professor REAGAN, Assistant Professor VON BONIN

105. *Advanced Anatomy.*—One or two units. Professor KAMPMEIER, Associate Professor REAGAN, Assistant Professor VON BONIN

DENTAL HISTOLOGY

101. *Advanced Dental Histology.*—One or two units. Associate Professor SCHOUR

107. *Research in Microscopic Anatomy (Teeth and Related Tissues).*—One to three units. Associate Professor SCHOUR

DENTAL PATHOLOGY AND THERAPEUTICS

101. *Advanced Therapeutics.*—One or two units. Professor BLAYNEY

103. *Therapeutic Research.*—One or two units. Professor BLAYNEY

DERMATOLOGY

101. *Research in Dermatology.*—One to three units. Professor SENEAR

JUVENILE BEHAVIOR

101. *Research in Juvenile Behavior.*—One to three units. Professor SCHROEDER

103. *Special Abilities and Disabilities.*—One to two units. Associate Professor BROWN

104. *Psychological Tests.*—One to two units. Associate Professor BROWN

105. *Psychology of Behavior Problems.*—One to two units. Associate Professor BROWN

LARYNGOLOGY, RHINOLOGY AND OTOLOGY

101. *Research in Laryngology, Rhinology and Otology.*—One to three units.

MEDICINE

101. *Research in Medicine.*—One to three units. Professors WILLIAMSON,[1] KEETON; Assistant Professor BIRCH

METALLURGY

101. *Metallurgical Research.*—One or two units. Professor WELKER

NEUROPSYCHIATRY

101. *Research in Neurology.*—One to three units. Professor HASSIN

102. *Research in Psychiatry.*—One to three units. Professor SINGER

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[1] Deceased February 15, 1933.

OBSTETRICS AND GYNECOLOGY

101. *Research in Obstetrics and Gynecology.*—One to three units. Professor FALLS

OPHTHALMOLOGY

101. *Research in Ophthalmology.*—One to three units. ————

ORAL SURGERY

101. *Pathology of Mouth.*—One or two units. Professor MOOREHEAD

103. *Oral Surgery.*—One or two units. Professor MOOREHEAD

ORTHODONTIA

101. *Orthodontia.*—One or two units. Professor NOYES

ORTHOPEDICS

101. *Research in Orthopedics.*—One to three units. Professor THOMAS

PATHOLOGY AND BACTERIOLOGY

101. *Advanced Pathogenesis.*—Etiology and pathogenesis of certain diseases with especial consideration of the role that the lower animals play in the transmission of human disease. Lectures, conferences, demonstrations, assigned readings. One or two units.
Professors DAVIS, PETERSEN, ARNOLD; Associate Professor PILOT

103. *Individual Research Course.*—One or two units.
Professors DAVIS, PETERSEN, ARNOLD; Associate Professor PILOT

PEDIATRICS

101. *Research in Pediatrics.*—One to three units.
Professor HESS, Assistant Professor PONCHER

PHARMACOLOGY

101. *Advanced Pharmacodynamics.*—Laboratory work. One or two units.
Professor McGUIGAN, Associate Professor CAMP

103. *Research in Pharmacodynamics.*—One or two units.
Professor McGUIGAN, Associate Professor CAMP

PHYSIOLOGICAL CHEMISTRY

101. *Advanced Biological Chemistry.*—Biochemical methods of research, biological colloids, enzyme action, and metabolism. One or two units.
Professor WELKER, Associate Professor BERGEIM, Assistant Professor COLE

103. *Biochemical Research.*—One or two units.
Professor WELKER, Associate Professor BERGEIM, Assistant Professor COLE

PHYSIOLOGY

101. *Advanced Physiology.*—An introduction to original work in Experimental Physiology. Individual instruction in fundamental methods. Laboratory courses. One or two units. Professors VISSCHER, GELLHORN

102. *Research Work in Physiology.*—One or two units.
Professors VISSCHER, GELLHORN

103. *Research in Bio-Physics.*—One to three units. Professor BACHEM

SURGERY

101. *Research in Surgery.*—One to three units.
Professor HEDBLOM, Assistant Professor OLDBERG, Dr. PUESTOW

GRADUATE STUDENTS IN MEDICINE AND DENTISTRY

1932-1933

EXPLANATION.—S indicates attendance during the Summer Session; I, during the First Semester; II, during the Second Semester. Degrees are from the University of Illinois unless otherwise noted.

Aaronson, Abe Louis, Chicago. — Medicine. (I. II.) B.S., M.D., M.S., 1926, 1929, 1931.

Adland, Samuel Alfred, Chicago.—Pathology. (II.)

Alcorn, Marshall Wells, Chicago. — Surgery. (I.) B.S., M.D., 1927, 1930.

Appelman, Benjamin, Chicago. — Pathology. (S.) B.S., M.S., 1930, 1932.

Asher, Harry H., Chicago.—Metallurgy. (S. I. II.) D.D.S., 1931.

Balding, Bruce Ned, Lincoln.—Bacteriology. (S.) A.B., 1929.

Ballin, Mischa, Chicago.—Physiological Chemistry. (II.) B.S., 1931.

Bart, Alexander Michael, Chicago.—Bacteriology. (S. I.) Diploma, Imperial Institute of Forestry, Petrograd, Russia, 1915.

Becker, Harry Gregory, Kampsville. — Surgery. (S.) B.S., 1930.

Becker, Maurice Loren, Chicago. — Juvenile Behavior. (S.) B.S., 1931.

Berg, Max, Chicago.—Pathology. (S. I. II.) B.S., 1932.

Bernier, Joseph Leroy, Chicago.—Therapeutics. (I. II.) D.D.S., 1932.

Bernstein, Harold Carroll, Chicago.—Pediatrics. (S. I. II.) B.S., 1931.

Berry, Leonidas Harris, Chicago.—Pathology. (I.) B.S., Wilberforce Univ., 1924; B.S., Univ. of Chicago, 1925; M.D., Rush Medical Coll., 1929.

Blayney, Harold Vincent, Chicago. — Therapeutics. (S. I. II.) D.D.S., 1928.

Briggs, Frances Agnes, Metamora. — Physiological Chemistry. (S. I. II.) B.S., 1926; M.S., Tulane Univ., 1928.

Brodie, Allan Gibson, Park Ridge.—Anatomy. (I. II.) D.D.S., Univ. of Pennsylvania, 1919.

Burns, Herschel Smith, Salt Lake City, Utah. —Physiology. (S. I. II.) A.B., Univ. of Southern California, 1931.

Carpenter, Paul David, Elgin.—Pharmacology. (I.) Ph.G., 1925; B.S., Univ. of Michigan, 1930.

Cirrincione, Francis Anthony, Chicago.—Pathology. (S. I. II.) B.S., 1931.

Clark, Rebecca Isabelle, Chicago.—Physiological Chemistry. (I. II.) B.S., 1927.

Cohen, Melvin Russell, Chicago.—Pathology. (S. I. II.) B.S., 1931.

Cornbleet, Theodore, Chicago.—Dermatology. (S. I. II.) B.S., M.D., St. Louis Univ., 1921, 1923; M.S., 1931.

Deutsch, Nathan Solomon, Plainfield, New Jersey.—Psychiatry. (II.)

Deutsch, Sidney Quentin, Chicago. — Orthodontia. (S. I.) D.D.S., 1931.

Dickson, Dorothy, Galesburg. — Physiological Chemistry. (S.) A.B., Knox Coll., 1928.

Dillman, Lucius Matlock, Elmhurst. — Physiology. (S. I. II.) B.S., M.S., 1931, 1932.

Dreyer, Irving, Chicago. — Pathology. (II.) B.S., M.S., M.D., 1928, 1931, 1932.

Dushkin, Milton Arnold, Chicago. — Bio-Physics. (S. I. II.) B.S., 1931.

Eggert, Floyd Herman, Woodworth, Wisconsin.—Bacteriology. (S. I. II.) B.S., Univ. of Wisconsin, 1926.

Einhorn, Ben, Chicago. — Bacteriology. (S.) B.S., 1923.

Elster, Benjamin Burt, Chicago.—Pathology. (I. II.) B.S., 1932.

Emig, Herbert Martin, Oak Park.—Pharmacology. (S. I. II.) Ph.G., B.S., Philadelphia Coll. of Pharmacy and Science, 1919, 1924; M.S., 1931.

Erich, John B., Chicago.—Oral Surgery. (I. II.) B.S., M.D., 1929, 1932.

Ettleson, Abraham, Chicago. — Surgery. (I.) B.S., M.D., 1922, 1924.

Ewing, Paul Leon, Oak Park.—Pharmacology. (S. I. II.) A.B., Milton Coll., 1926; M.S., 1929.

Feinhandler, Harold, Chicago. — Physiology. (I.) B.S., 1932.

Fernow, Dorothy Louise, Chicago.—Psychology. (S. I.) A.B., 1932.

Fisher, Catherine Virginia, Chicago.—Bacteriology. (S. I. II.) A.B., Univ. of Wisconsin, 1929; M.S., 1931.

Fishman, Louis Zolo, Chicago. — Physiology. (I. II.) B.S., M.D., 1925, 1928.

Francona, Anthony, Chicago.—Anatomy. (S. I. II.) B.S., 1931.

Friedenberg, Robert, Chicago.—Physiological Chemistry. (II.) A.B., Columbia Univ., 1930.

Gant, Virgil Arnett, Chicago.—Pharmacology. (S. I. II.) B.S., M.S., 1921, 1932.

Gillesby, William James, Oak Park.—Physiological Chemistry. (I. II.) B.S., Univ. of Chicago, 1927; B.S., M.D., 1929, 1931.

Gilman, George Everett, Weston.—Physiological Chemistry. (II.) A.B., 1931.

Godwin, Andrew Charles, Chicago. — Orthodontia. (S. I.) B.S., D.D.S., 1929, 1932.

Goldstein, Hyman Harry, Chicago.—Juvenile Behavior. (II.) B.S., 1932.

Gorodazky, Abraham, Chicago.—Bio-Physics. (II.)

Gowen, G. Howard, Chicago. — Bacteriology. (I. II.) B.S., M.D., Northwestern Univ., 1921, 1926.

Gulbrandsen, Lars Freman, Chicago. — Bacteriology. (I. II.) B.S., M.D., 1930, 1932.

Hagele, Marie Anna, St. Joseph, Missouri.— Physiology. (II.) B.S., Lewis Inst., 1931.

Hahn, Jacob Francis, Donnellson. — Bacteriology. (S. I.) B.S., 1930.

Hanson, Harold Birger, Chicago. — Juvenile Behavior. (I. II.) A.B., Augustana Coll., 1925; M.D., Rush Medical Coll., 1929.

Hark, Florence White, Chicago. — Obstetrics. (I.) B.S., M.D., Univ. of Iowa, 1919, 1922.

Harvey, Cecil C., Chicago. — Physiological Chemistry. (S. I. II.) B.S., Univ. of Louisville, 1929; M.S., Univ. of Chicago, 1931.

Helfrich, Loring Smith, Bushnell.—Pharmacology. (II.) B.S., Knox Coll., 1932.

Herndon, Zelma Lamb, Chicago.—Obstetrics. (S. I. II.) B.S., 1929.

Hick, Ford Kimmel, Oak Park.—Pathology. (S. I. II.) B.S., M.D., 1928, 1931.
Hill, Harold Herrin, Athens. — Obstetrics. (I. II.) B.S., M.D., 1926, 1929.
Hood, Marion Winifred, Rapid City, South Dakota. — Medicine. (S.) A.B., Carroll Coll., 1918; A.M., Univ. of Wisconsin, 1928.
Hurwich, Jerome Jacob, Chicago.—Pathology. (S. I. II.) B.S., Univ. of Chicago, 1931.
Jacobson, Earl Grant, Chicago. — Oral Surgery. (S. I. II.) D.D.S., 1929.
Jaffray, David Smeaton, Chicago. — Surgery. (S.) B.S., 1930.
Johnson, Titus Maurice, Chicago. — Bacteriology. (S.) A.B., Wheaton Coll., 1928; B.S., Northwestern Univ., 1929.
Kahn, Harold, Chicago. — Pathology. (S. I. II.) B.S., 1932.
Kaplan, Morris Aaron, Chicago. — Medicine. (II.) B.S., M.S., M.D., 1929, 1931, 1932.
Kaplan, Samuel, Chicago. — Obstetrics and Gynecology. (S. I. II.) B.S., M.D., M.S., 1922, 1929, 1931.
Kirshbaum, Jack D., Chicago. — Pathology. (S. I. II.) M.D., 1929.
Klein, Reuben Isadore, Chicago.—Pediatrics. (II.) A.B., B.S., M.S., M.D., 1927, 1929, 1931, 1932.
Knudsen, William Nelk, Chicago. — Bacteriology. (S. I. II.) A.B., 1931.
Koch, Harold Jay, Chicago.—Physiology. (I.) B.S., Univ. of Chicago, 1931.
Kramp, Edgar Herman, Forest Park.—Dental Therapeutics. (II.) B.S., D.D.S., 1929, 1931.
Kuchlewski, Edward, Elizabeth, New Jersey. —Pathology. (S. I. II.) B.S., M.D., Ohio State Univ., 1928, 1931.
Laskin, Sally, Chicago. — Bacteriology. (II.) B.S., Univ. of Chicago, 1931.
Lederman, Irving Harold, Chicago.—Pathology.
Levin, Milton, Chicago. — Pathology. (II.) B.S., 1932.
Levine, Victor, Chicago. — Pathology. (S. I. (II.) B.S., Univ. of Chicago, 1925; M.D., Rush Medical Coll., 1929.
Levinson, Samuel Azor, Chicago.—Pathology. (S. I.) B.S., M.D., M.S., 1917, 1919, 1919.
Lockwood, William Wayne, Danville.—Medicine. (II.) B.S., 1932.
Lorber, Maurice, Chicago.—Medical Psychology. (I.) B.S., Univ. of Chicago, 1932.
Lui, Sik Chu, Honolulu, Hawaii.—Physiological Chemistry. (II.) B.S., M.S., Univ. of Chicago, 1919, 1927.
Lyon, Verne Wesley, Chicago.—Juvenile Behavior. (S. I.) Ph.B., Univ. of Wisconsin, 1928.
McDaniels, Herbert Eli, Chicago. — Bacteriology. (S. I. II.) B.S., Univ. of Chicago, 1925; M.S., 1932.
MacFate, Robert Preston, Chicago.—Physiological Chemistry. (S. I. II.) Ch.E., Lehigh Univ., 1925; M.S., 1929.
Malachowski, Florence Victoria, Chicago. — Bacteriology. (S.) B.S., D.D.S., Northwestern Univ., 1930.
Marks, Meyer Benjamin, Chicago. — Pediatrics. (II.) B.S., 1931.
Marshall, Glenn Robert, West Salem.—Pathology. (S. I. II.) B.S., 1932.
Maryan, Harry Oliver, Chicago. — Obstetrics and Gynecology. (S. I. II.) B.S., M.D., M.S., 1921, 1922, 1931.
Melnick, Perry Julius, Chicago. — Pathology. (I. II.) B.S., M.S., M.D., 1927, 1929, 1930.
Meyer, Esther, Chicago. — Bacteriology. (S. I. II.) Ph.G., 1924; B.S., Univ. of Michigan, 1930.
Miller, Donald Sidney, Chicago.—Physiology. (S.) B.S., 1930.
Miller, Leo Frederick, Chicago. — Surgery. (S. I. II.) B.S., M.D., 1927, 1930.
Miller, Walter Ulysses, Shumway.—Bacteriology. (S.) A.B., 1927.
Milles, George, Chicago. — Pathology. (I.) Ph.G., B.S., M.D., 1923, 1925, 1929.
Moldavsky, Leon Frank, Cleveland, Ohio.—Physiology. (S. I. II.) A.B., Western Reserve Univ., 1931; M.S., 1932.
Morrison, Roland Bernard, Carroll, Iowa.—Surgery. B.S., M.S., 1930, 1931, Univ. of Iowa.
Morrison, Sherman William, Oak Park. — Pharmacology. (S.) Ph.G., Ph.C., M.S., Univ. of Iowa, 1918, 1921, 1927; B.S., South Dakota State Coll., 1924.
Murphy, Iva Glene, Aurora.—Anatomy. (II.) A.B., Univ. of Neb., 1927.
Neiman, Benjamin Harold, Chicago. — Pathology. (S. I. II.) B.S., Univ. of Chicago, 1926; M.D., Rush Medical Coll., 1930.
Nelson, Tell, Chicago.—Medicine. (S. I. II.) B.S., Univ. of Chicago, 1920; M.D., Rush Medical Coll., 1923.
Northrup, David Wilmarth, Chicago. — Physiology. (I. II.) A.B., Reed Coll., 1930; A.M., Univ. of Oregon, 1932.
O'Malley, James Emmett, Chicago. — Bacteriology. (S. I. II.) B.S., Univ. of Chicago, 1930.
O'Neill, Paul Joseph, Alton. — Bacteriology. (I. II.) A.B., 1932.
Orloff, Morris Phillip, Chicago. — Physiological Chemistry. (S.) B.S., M.S., 1930, 1932.
Parke, John, Chicago.—Surgery. (II.)
Pearlman, Benjamin, Chicago. — Pathology. (I.) B.S., M.D., 1926, 1928.
Peters, Howard Chester, Chicago. — Physiology. (S. I. II.) B.S., Northwestern Univ., 1932.
Poppen, James Leonard, Holland, Michigan. —Surgery. (I.) A.B., Hope Coll., 1926; M.D., Rush Medical Coll., 1930.
Puumala, Reino Hendrick, Roberts, Montana. —Anatomy. (S. I. II.) B.S., 1931.
Radner, David Benjamin, Chicago. — Bio-Physics. (I. II.) Ph.G., B.S., 1926, 1931.
Rappaport, Ben Zion, Chicago. — Pathology. (S. I. II.) B.S., M.D., M.S., 1920, 1923, 1932.
Rea, Charles Ethan, St. Paul, Minnesota. — Surgery. (II.) B.S., M.B., M.D., M.S., Univ. of Minnesota, 1928, 1930, 1931, 1932.
Reynolds, John Todd, Dwight. — Pathology. (S.) B.S., M.S., 1930, 1932.
Richter, Irving Bernard, Chicago.—Pathology. (I. II.) B.S., 1932.
Robertson, Howard Miles, Chicago. — Anatomy. (I. II.) D.D.S., 1932.
Rosenbloom, David, Chicago.—Obstetrics. (S.) B.S., 1932.
Rosenthal, Irving H., Chicago. — Physiology. (II.)
Rubert, Samuel Rubin, Chicago.—Bio-Physics. (I. II.) B.S., Univ. of Chicago, 1925; M.D., St. Louis Univ., 1930.
Rudisoff, Reuben, Chicago.—Psychiatry. (II.) B.S., 1932.
Scheffler, Milton Morris, Chicago. — Pharmacology. (I. II.) B.S., 1932.
Schiller, Herbert Abel, Chicago. — Pathology. (II.) Ph.C., 1928.

Schneider, Herman, Chicago. — Physiological Chemistry. (I.) B.S., 1932.

Scuderi, Carlo S., Chicago. — Surgery. (II.) B.S., M.D., 1926, 1929.

Seibel, Laura Grace, Riverside. — Chemistry. (I. II.) A.B., B.S., A.M., Univ. of Missouri, 1927, 1929, 1929.

Seidmon, Edward Edgar, Chicago. — Bacteriology. (S.) Ph.G., B.S., M.S., 1926, 1930, 1932.

Shellow, Harold, Chicago.—Dermatology. (S. I.) B.S., M.D., 1927, 1931.

Shulruff, Harry Irving, Chicago.—Pathology. (II.)

Silverman, Harold Edward, Chicago. — Anatomy. (I. II.) M.D., 1930.

Silverstone, Eugene Henry, Chicago. — Anatomy. (S.) B.S., Ph.C., Univ. of Washington, 1924.

Skupa, Arthur James, Chicago.—Physiological Research. (I.) D.D.S., 1924.

Slaughter, Danely Philip, Urbana.—Surgery. (II.)

Slepyan, Albert Herbert, Chicago. — Dermatology. (I. II.) B.S., 1932.

Smith, Kenneth John, Blue Island. — Pathology. (S.) B.S., M.D., 1927, 1930.

Smith, Margaret Elizabeth, Chicago. — Physiology. (I.) Ph.B., Univ. of Chicago; 1915; M.S., Univ. of Wisconsin, 1924.

Smith, Paul Winston, Chicago. — Physiology. (S. I. II.) B.S., Kansas State Teachers Coll., 1928; M.S., Univ. of Tennessee, 1929.

Snyder, Roy Kenneth, Chicago. — Physiological Chemistry. (I. II.) B.S., 1929.

Spiesman, Irwin Gabriel, Oak Park.—Physiology. (S. I. II.) B.S., M.D., 1919, 1922.

Spivack, Mary, Chicago. — Pathology. (S.) M.D., Novorossisky Univ., 1920; M.S., 1931.

Stagman, Joseph, Chicago. — Pathology. (S.) B.S., M.S., 1930, 1932.

Steadman, Sherwood R., St. Paul, Minnesota. — Orthodontia. (II.) B.S., Princeton, 1929; D.D.S., Univ. of Minnesota, 1932.

Steck, Isadore Elihu, Chicago. — Physiology. (S.) B.S., M.S., 1930, 1932.

Stein, Seymour, Chicago. — Psychology. (I. II.) A.B., 1931.

Stephan, Robert Marshall, Oak Park.—Dental Pathology and Therapeutics. (I. II.) D.D.S., 1932.

Stocker, Silka, New York, New York.—Bacteriology. (S. I.) A.B., Wellesley Coll., 1927.

Strickler, Martin Sidney, Brooklyn, New York. — Orthodontia. (S. I.) D.D.S., Columbia Univ., 1931.

Sugar, Carl, Chicago. — Pharmacology. (S.) B.S., 1930.

Summerville, Milton Joe, Oak Park.—Obstetrics. (I. II.) A.B., Univ. of Kentucky, 1923; M.D., 1928.

Tappan, Edward Arthur, Anderson, Indiana. —Physiology. (I.) B.S., 1924.

Tarlow, Lillian Solomon, Chicago. — Gynecology. (S. I. II.) B.S., M.D., Loyola Univ., 1929, 1931.

Templeton, Lawrence, Chicago.—Pharmacology. (I. II.) B.S., Ph.C., Oregon State Agricultural Coll., 1927, 1932; M.S., 1932.

Terry, Lawrence, Chicago. — Pharmacology. S. I. II.) Ph.C., B.S., Univ. of Washington, 1931; M.S., 1932.

Tinsley, Milton, Chicago.—Physiology. (II.)

Tobiasz, Olga Irene, Chicago. — Orthodontia. (II.) B.S., D.D.S., 1928, 1930.

Tulsky, Alex Solomon, Chicago. — Obstetrics. (II.) B.S., 1932.

Ulloa, Margarita, Chicago.—Histology. (II.) B.S., D.D.S., Dental Sc., Chile, 1926; D.D.S., 1932.

Wach, Edward Charles, Chicago.—Physiological Chemistry. (II.) Ph.G., D.D.S., 1907, 1923.

Wagner, David, Oak Park.—Physiology. (S. I. II.) A.B., Univ. of Wisconsin, 1927; M.D., 1930.

Waisman, Morris, Chicago.—Pediatrics. (II.)

Welty, Jack Worthington, Hoopeston.—Pharmacology. (S. I. II.) B.S., 1931.

Werch, Solomon Carl, Chicago. — Chemistry. (S.) B.S., 1931.

Winsberg, James Alfred, Chicago.—Chemistry. (II.) B.S., 1931.

Woodward, Helen, Washington, D. C.—Physiological Chemistry. (S. I. II.) B.S., George Washington Univ., 1926; M.S., Iowa State Coll., 1929.

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IN ANATOMY

Leon Frank Moldavsky, A.B., Western Reserve University, 1931. (October 21, 1932)

IN BACTERIOLOGY

Edward Edgar Park Seidmon, B.S., 1931 (October 21, 1932)

IN MEDICINE

Tell Nelson, B.S., University of Chicago, 1920; M.D., Rush Medical College, 1924. (February 16, 1932)

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Benjamin Appelman, B.S., 1930. (October 21, 1932)

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